

Datasheet for ABIN4938370

Human ITIH6 ORF Clone in Mammalian Expression Vector (DYKDDDDK Tag)

Overview

Quantity:	10 µg
Gene:	ITIH5L (ITIH6)
Species:	Human
Fusion tag:	DYKDDDDK Tag
Insert:	ORF
Vector:	Mammalian Expression Vector
Application:	Protein Expression (PEXP)

Product Details

Purpose:	Expression/transfection ready cDNA ORF clone of Human ITIH6 with C terminal DYKDDDDK tag is ideal for express proteins in E.coli & mammalian cells.
Brand:	GenEZ™
Insert Length:	3942 bp
Vector Backbone:	pcDNA3.1+C-(K)-DYK
Promoter:	CMV Promoter
Selectable Marker:	Neomycin
Bacterial Resistance:	Ampicillin
Expression Type:	Transient, Stable
Sequence:	<p>ATGTCTGGGT GGAGGTACCT CATCTGTGTC AGCTTTTTGC TGACCATTCT TCTTGAAGTG ACATACCAGG GACCCCTGT CCCCCTTCA TCAAGCACAA AGTTGTTAAT GACAAGCTAT TCTATGCGCT CCACGGTGGT GTCTCGCTAT GCCCACACCT TGGTCACCTC TGTCCTGTTT AATCCACATG CTGAAGCCCA TGAAGCCATC TTTGACCTGG ATCTGCCTCA TCTTGCCTTT ATCTCCAATT TCACTATGAC CATCAACAAT AAAGTCTACA TTGCAGAAGT CAAAGAGAAG</p>

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CACCAGGCAA AGAAAATCTA TGAAGAAGCC CATCAGCAGG GAAAGACAGC TGCTCATGTA
GGCATCAGGG ACCGGGAATC AGAGAAGTTC CGCATCTCCA CCAGCCTGGC AGCAGGCACA
GAGGTGACTT TTTCCCTGGC CTATGAGGAA CTGCTTCAGC GGCACCAGGG CCAGTACCAG
CTGGTGGTGA GCCTGAGGCC TGGCCAATTG GTGAAGAGGC TGAGCATAGA GGTACAGTG
TCAGAAAGGA CAGGCATCTC CTATGTGCAC ATACCACCCC TGAGGACCGG CCGTCTGCGC
ACCAATGCCC ATGCAAGTGA GGTGGATTCA CCCCCATCCA CCAGGATCGA GAGGGGAGAG
ACCTGTGTCC GAATCACCTA CTGCCCGACA TTGCAAGACC AGTCGTCCAT CTCTGGGTCA
GGCATCATGG CTGACTTCCT GGTTCAAGTAC GATGTGGTCA TGGAGGACAT CATTGGAGAC
GTGCAGATTT ACGATGACTA TTTCAATCAC TACTTTGCC CCAGAGGCCT TCCACCTATG
GAGAAGAATG TGGTTTTTGT TATTGACGTA AGCAGCTCCA TGTTTGGTAC CAAGATGGAA
CAGACTAAAA CGGCCATGAA TGTGATCCTC AGTGACCTC AAGCCAATGA CTAATTCAAC
ATCATCTCCT TTTCTGACAC AGTTAATGTT TGGAAAGCTG GAGGCTCAAT CCAGGCCACC
ATCCAGAATG TCCACAGTGC CAAGGACTAC CTGCATTGCA TGGAAAGCCGA TGGCTGGACA
GACGTCAACT CAGCTCTGCT GGCAGCTGCT TCAGTGCTGA ACCATAGCAA CCAGGAGCCT
GGGAGGGGCC CCAGTGTGGG GAGGATCCCT CTTATCATCT TCCTGACGGA TGGGGAGCCC
ACGGCCGGCG TGACGACCCC CAGTGTGATC CTCTCCAATG TCCGTGAGGC GCTAGGCCAC
AGGGTATCCC TTTTCAGCTT GGCCTTTGGG GATGATGCTG ACTTTACT GCTGCGCCGC
CTGTCCCTGG AAAACCGGGG AATAGCCCGG CGCATATATG AGGACACTGA TCGGGCCCTA
CAGCTGAAGG GCCTCTATGA GGAGATCTCC ATGCCTCTGC TGGCAGATGT GCGTCTGAAC
TACCTGGGTG GCTTGGTTGG GGCCTCCCCT TGGGCCGTTT TCCCCAATA CTTTGGTGGC
TCTGAGCTGG TGGTGGCAGG ACAGGTGCAG CCAGGCAAAC AGGAACTGGG CATCCACCTG
GCAGCCCGTG GCCCCAAGGA TCAGTTCTT GTGGCCACC ACAGTGAAGG GGCCACCAAC
AACAGCCAGA AGGCCTTTGG TTGCCAGGG GAGCCAGCCC CCAATGTGGC CCACTTCATC
CGCCGCCTCT GGGCCTATGT CACCATTGGA GAACTGCTGG ATGCACACTT CCAAGCTCGT
GACACCACCA CTCGCCACCT GCTGGCTGCC AAAGTCCTCA ACCTGTCCCT TGAATACAAC
TTTGTACAC CTCTGACTTC ACTGGTCATG GTGCAACCCA AACAGGCCAG TGAGGAGACC
AGGAGACAGA CTTCCACCTC TGCTGGGCCA GACACCATCA TGCCCTCATC CAGCAGCAGG
CATGGCCTAG GGGTAAGCAC AGCTCAGCCA GCCTTGGTGC CCAAGGTCAT CTCCCCAAA
TCAAGGCCTG TGAACCAAA GTTCTACTTA TCCTCAACTA CTAATGCCTC TACCAAGAAG
ATGCTAAGTT CCAAAGAGCT GGAGCCATTG GGAGAGAGCC CTCATACCCT GTCAATGCCC
ACATACCCAA AGGCCAAAAT TCCAGCACAA CAGGATTCTG GCACCTTGGC CCAGCCAACT
CTCAGGACAA AACCTACCAT TCTTGTGCCC TCAAATTCTG GTACTCTGTT GCCTCTGAAG
CCCGGCTCTC TATCACACCA GAATCCTGAT ATATTACCCA CGAACTCCAG GACACAAGTC
CCACCTGTGA AACCTGGCAT CCCAGCCTCG CCCAAAGCTG AACTGTGAA ATGTGTTACT
CCACTGCATT CCAAACCTGG TGCTCCATCG CACCCCAAC TTGGGGCACT CACATCACAG
GCACCTAAAG GCCTGCCACA GTCAAGACCT GGAGTCTCTA CACTTCAGGT TCCAAGTAC

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CCACTACACA CCAGACCTAG GGTTCCTGCT CCCAAGACCC GAAACAACAT GCCACACCTG
GGGCCTGGAA TCCTCTTGTC CAAGACCCCT AAAATCTTAT TATCTCTTAA ACCGAGTGCC
CCACCACACC AAATTTCCAC AAGCATATCA CTTTCCAAGC CTGAGACCCC AAACCCCAT
ATGCCTCAAA CCCCACTACC TCCTAGACCT GACAGACCAA GGCCCCACT TCCTGAGAGC
CTAAGCACAT TCCCAAATAC AATCTCAAGT TCCACAGGTC CCAGCAGTAC CACAACCACC
TCTGTCTTG GAGAACCCT CCCCATGCC TTTACTCCCA CTCTGCCCCC TGGAAGGTTC
TGGCATCAGT ATGACCTCT CCCGGTCCC CAGAGGACCA GGCAAGTTCT GGGACCATCT
AGGCCAGGAG TTCCAACAAT GAGCCTACTC AACAGCTCCA GGCCTACACC AGAAGGCAGC
CCTCCAAACC TGCCAATCTT GCTGCCTTCT AGCATCCTCC CTGAGGCCAT CAGTCTGCTC
CTTCTCCCTG AGGAGCTAGA GCTGCTGTCT GAATCAATGG TGAATCCAA GTTCGTGGAG
TCCTTGAACC CACCAGCTTT CTATACCTTC CTCACTCCTG ATGAAGATGG AAGTCCAAAC
TGGGATGGCA ATTCTGAGGA GATCCTGGGA GGAGCTGGAG GCAGCATGGA ATCTCAAGGA
AGTTCTGTGG GGTTAGCAA AGGCACATTG CCTAGCATCT TCACCTTCTC CTCCTCAGTG
GACGGGGACC CCCACTTTGT GATCCAAATC CCACACTCAG AAGAGAAGAT CTGCTTCACA
CTGAATGGGC ACCCTGGGGA CTTGCTGCAG CTCATAGAGG ACCCAAAGGC AGGGCTGCAT
GTGAGTGGGA AGCTGCTTGG CGCACCACCA AGGCCGGGCC ACAAGGACCA GACTCGCACC
TACTTCCAGA TCATCACAGT CACTACAGAC AAACCCCGGG CCTATACTAT CACCATCAGC
CGCAGTTCTA TATCTTTGCG AGGCGAGGGT ACCTTGCGCC TGTCTGGGA CCAACCTGCC
CTGCTGAAGA GGCCCCAGCT GGAGCTCTAT GTGGCTGCTG CAGCCCGCCT TACCCTCCG
CTTGGGCCCT ACCTTGAGTT CCTAGTCTC CGACACCGCT ACAGGCATCC CAGTACCCTG
CAACTACCCC ACCTGGGGTT CTACGTGGCC AATGGCTCAG GCCTCAGCCC CTCAGCCCGT
GGCCTGATAG GGCAGTTCCA GCACGCAGAC ATCCGACTGG TGACAGGACC TATGGGGCCA
TGCTTACGAA GGCACCATGG CCCAGATGTG CCTGTGATTC TAGGCAAGAG GCTGCTGAAG
GACTCACCAA GGCTGCTGCC CCGCTGGGCT TCCTGCTGGC TGGTGAAGCG CTCTCATGTA
GAGCTGCTTC TGGGCCACCC CTACCTCTCC TATGTCCTGT GA

Specificity: ORF Insert Method: CloneEZ® Seamless cloning technology, recombination-based cloning technology

Characteristics: Gene cDNA ORF clone sequences were retrieved from the NCBI Reference Sequence Database (RefSeq). These sequences represent the protein coding region of the gene cDNA ORF which is encoded by the open reading frame (ORF) sequence.

Sequencing Primer:

- Forward primer: 5'-TAATACGACTCACTATAGGG-3'
- Reverse primer: 5'-CCTCGACTGTGCCTTCTA-3'

Grade: End-sequenced

Components: The GenEZ ORF clone is delivered as 10 µg of lyophilized plasmid DNA in a vial.

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Target Details

Gene: ITIH5L (ITIH6)

Alternative Name: ITIH6 ([ITIH6 Products](#))

Background: The protein encoded by this gene belongs to the interalpha trypsin inhibitor heavy chain (ITIH) family. Interalpha trypsin inhibitor (ITI) is composed of two heavy chains (containing VWA domain) and one light chain. The light chain confers the protease-inhibitor function, while the heavy chains are involved in mediating protein-protein interactions with the components of the extracellular matrix. [provided by RefSeq, Sep 2009].

Gene ID: 347365

NCBI Accession: [NM_198510](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Storage: RT/-20 °C

Storage Comment:

- Keep the vial sealed and store at -20°C for long-term storage.
- Before use, centrifuge the vial at 6,000 g x g for 1 minute at 4°C.
- Open the lid and add 100 µl (or other volume depending on your desired final concentration) of distilled water (or TE buffer) to dissolve the DNA.
- If necessary, heat the solution at 50°C for 15 minutes to dissolve the DNA.
- Close the lid and vortex the vial for 1 minute.
- Aliquot the dissolved plasmid DNA and store in small aliquots at -20°C.

Expiry Date: 12 months

Publications

Product cited in: Johnson, Drugan, Miller, Evans: "38" in: , Vol. 1363, Issue Nucleic acids research, pp. 28-39, (1991)