

Datasheet for ABIN4920700

Human AMY1C ORF Clone in Mammalian Expression Vector (DYKDDDDK Tag)

Overview

Quantity:	10 µg
Gene:	AMY1C
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 AMY1C with C terminal DYKDDDDK tag is ideal for express proteins in E.coli & mammalian cells.
Brand:	GenEZ™
Insert Length:	1536 bp
Vector Backbone:	pcDNA3.1+C-(K)-DYK
Promoter:	CMV Promoter
Selectable Marker:	Neomycin
Bacterial Resistance:	Ampicillin
Expression Type:	Transient, Stable
Sequence:	ATGAAGCTCT TTTGGTTGCT TTTCAACCATT GGGTTCTGCT GGGCTCAGTA TTCCTCAAAT ACACAACAAG GACGAACATC TATTGTTTCAT CTGTTTGAAT GGCGATGGGT TGATATTGCT CTTGAATGTG AGCGATATTT AGCTCCCAAG GGATTTGGAG GGGTTCAGGT CTCTCCACCA AATGAAAATG TTGCCATTCA CAACCCTTTC AGACCTTGGT GGGAAAGATA CCAACCAGTT AGCTATAAAT TATGCACAAG ATCTGGAAAT GAAGATGAAT TTAGAAACAT GGTGACTAGA

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Product Details

TGCAACAATG TTGGGGTTCG TATTTATGTG GATGCTGTAA TTAATCATAT GTGTGGTAAT
GCTGTGAGTG CAGGAACAAG CAGTACCTGT GGAAGTTACT TCAACCCTGG AAGTAGGGAC
TTTCCAGCAG TCCCATATTC TGGATGGGAT TTTAATGATG GTAAATGTAA AACTGGAAGT
GGAGATATCG AGAACTATAA TGATGCTACT CAGGTCAGAG ATTGTGCTCT GTCTGGTCTT
CTCGATCTTG CACTGGGGAA GGATTATGTG CGTTCTAAGA TTGCCGAATA TATGAACCAT
CTCATTGACA TTGGTGTTC AGGGTTCAGA ATTGATGCTT CCAAGCACAT GTGGCCTGGA
GACATAAAGG CAATTTTGA CAAACTGCAT AATCTAAACA GTAAGTGGTT CCCGGAAGGT
AGTAAACCTT TCATTTACCA GGAGGTAATT GATCTGGGTG GTGAGCCAAT TAAAAGCAGT
GACTACTTTG GTAATGGCCG GGTGACAGAA TTCAAGTATG GTGCAAACT CGGCACAGTT
ATTCGCAAGT GGAATGGAGA GAAGATGTCT TACTTAAAGA ACTGGGGAGA AGGTTGGGGT
TTCATGCCTT CTGACAGAGC GCTTGTCTTT GTGGATAACC ATGACAATCA ACGAGGACAT
GGCGCTGGAG GAGCCTCTAT ACTTACCTTC TGGGATGCTA GGCTGTACAA AATGGCAGTT
GGATTTATGC TTGCTCATCC TTATGGATTT ACACGAGTAA TGCAAGCTA CCGTTGGCCA
AGATATTTTG AAAATGGAAA AGATGTTAAT GATTGGGTTG GGCCACCAAA TGATAATGGA
GTAACTAAAG AAGTTACTAT TAATCCAGAC ACTACTTGTG GCAATGACTG GGTCTGTGAA
CATCGATGGC GCCAAATAAG GAACATGGTT AATTTCCGCA ATGTAGTGA TGGCCAGCCT
TTTACAACT GGTATGATAA TGGGAGCAAC CAAGTGGCTT TTGGGAGAGG AAACAGAGGA
TTCATTGTTT TCAACAATGA TGACTGGACA TTTTCTTTAA CTTTGCAAAC TGGTCTTCTT
GCTGGCACAT ACTGTGATGT CATTCTGGA GATAAAATTA ATGGCAACTG CACAGGCATT
AAAATCTACG TTTCTGATGA TGGCAAAGCT CATTCTTCTA TTAGTAACTC TGCTGAAGAT
CCATTTATTG CAATTCATGC TGAATCTAAA TTGTAA

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.

Target Details

Gene: AMY1C

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Target Details

Alternative Name: AMY1C ([AMY1C Products](#))

Background: Amylases are secreted proteins that hydrolyze 1,4-alpha-glucoside bonds in oligosaccharides and polysaccharides, and thus catalyze the first step in digestion of dietary starch and glycogen. The human genome has a cluster of several amylase genes that are expressed at high levels in either salivary gland or pancreas. This gene encodes an amylase isoenzyme produced by the salivary gland. [provided by RefSeq, Jul 2008].

Gene ID: 278

NCBI Accession: [NM_001008219](#)

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)