

Datasheet for ABIN4929390

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

Overview

Quantity:	10 µg
Gene:	GATS
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 GATS with C terminal DYKDDDDK tag is ideal for express proteins in E.coli & mammalian cells.
Brand:	GenEZ™
Insert Length:	492 bp
Vector Backbone:	pcDNA3.1+C-(K)-DYK
Promoter:	CMV Promoter
Selectable Marker:	Neomycin
Bacterial Resistance:	Ampicillin
Expression Type:	Transient, Stable
Sequence:	<p>ATGAGCTGCC GCGGACGGGG CGCGGGCGGA CGATGGA ACT CCACATCCTG GAGCACCGGC</p> <p>TGCAAGTTGC CAGCGTCGCC AAGGAGAGTA TCCCCTGTT CACCTACGGG CCTGATCAAA</p> <p>CTTGCCCTCC TGTTCTCCAA GACCAGGTGC AAGTTCTTCA GTCTGACTGA GACACCAGAG</p> <p>GATTACACTA TCATTGTCTGA TGAGGAAGGA TTCCTAGAGC TGCCCTCCTC GGAGCACCTG</p> <p>AGTGTGGCGG ATGCCACCTG GCTGGCCCTG AACGTGGTGT CCGGCGGTGG CAGCTTCTCC</p>

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Product Details

AGCTCCCAGC CTATTGGCAT GACCAAGATC GCCAAGTCAG TCATCGCCCC ACTGGCTGAC
CAGAACATAT CCGTGTTTCAT GCTGTCCACG TATCAGACAG ACTTCATCCT GGTGCTCAAG
CGGGACCTGC CCTTTGTCAC CCACACGTTG TCATCAGAGT TCACCATCCT GTGGTCAGTG
GCTAGACTGT AG

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: GATS

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

Gene ID: 352954

NCBI Accession: [NM_178831](#)

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.

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Handling

- 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)