

Datasheet for ABIN4922294

Human TMEM183B ORF Clone in Mammalian Expression Vector (DYKDDDDK Tag)

Overview

Quantity:	10 µg
Gene:	TMEM183B
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 TMEM183B with C terminal DYKDDDDK tag is ideal for express proteins in E.coli & mammalian cells.
Brand:	GenEZ™
Insert Length:	1131 bp
Vector Backbone:	pcDNA3.1+C-(K)-DYK
Promoter:	CMV Promoter
Selectable Marker:	Neomycin
Bacterial Resistance:	Ampicillin
Expression Type:	Transient, Stable
Sequence:	ATGGCCCGGG GGCCCGGCC GCTAGGCAGG CCTCGCCCCG ATACGGTCGC CATGCCCAAG AGAGGAAAGC GACTCAAGTT CCGGGCCCAC GACGCCTGCT CCGGCCGAGT GACCGTGGCG GATTACGCCG ACTCGGATCT GCGGTCGTG AGGTCTGGAC GAGTCAAGAA AGCCGTAGCC AACGCTGTTC GGCAGGAAGT AAAATCTCTT TGTGGCTTGG AAGCCTCTCA GGTTCTGCA

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Product Details

GAGGAAGCTC TTTCTGGGGC TGGTGAGCCC TATGACATCA TCGACAGCAG TGATGAGATG
GATGCCCAGG AGGAAAACAT CCATGAGAGA ACTGTCTCCA GAAAAAAGAA AAGCAAGAGA
CACAAAGAAG AACTGGACGG GGCTGGAGGA GAAGAGTATC CCATGGATAT TTGGCTATTG
CTGGCCTCCT ATATCCGTCC TGAGGACATT GTGAATTTTT CCCTGATTTG TAAGAATGCC
TGGACTGTCA CTTGCACTGC TGCCTTTTGG ACCAGGTTGT ACCGAAGGCA CTACACGCTG
GATGCTTCCC TGCCTTTGCG TCTGCGACCA GAGTCAATGG AGAAGCTGCA CTGTCTCCGG
GCTTGTGTGA TCCGATCTCT GTACCATATG TATGAGCCAT TTGCTGCTCG AATCTCCAAG
AATCCAGCCA TTCCAGAAAG CACCCCCAGC ACATTAAGA ATTCCAAATG CTTACTTTTC
TGGTGACAGAA AGATTGTTGG GAACAGACAG GAACCAATGT GGGAATTCAA CTTCAAGTTC
AAAAACAGT CCCCTAGGTT AAAGAGCAAG TGTACAGGAG GATTGCAGCC TCCCGTTCAG
TACGAAGATG TTCATACCAA TCCAGACCAG GACTGCTGCC TACTGCAGGT CACCACCCTC
AATTCATCT TTATTCCGAT TGTCATGGGA ATGATATTTA CTCTGTTTAC TATCAATGTG
AGCACGGACA TCGGCATCA TCGAGTGAGA CTGGTGTTC AAGATTCCCC TGTCCATGGT
GGTCGGAAAC TCGCAGTGA ACAGGGTGTG CAAGTCATCC TGGACCCAGT GCACAGCGTT
CGGCTCTTTG ACTGGTGGCA TCCTCAGTAC CCATTCTCCC TGAGAGCGTA G

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: TMEM183B

Alternative Name: TMEM183B

Background: This locus was thought to represent a pseudogene of chromosome 1 open reading frame 37 because it is intronless and retains a polyA tail at the 3' end. It does however contain a complete open reading frame that subsequent research has demonstrated to be transcribed in a limited number of human tissues. The encoded protein may represent a transmembrane protein associated with cell membranes and be involved in cell-cell or cell-environment

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Target Details

interactions. [provided by RefSeq, Jul 2010].

Gene ID: 653659

NCBI Accession: [NM_001079809](#)

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)