

Datasheet for ABIN4923599

Human SLC22A24 ORF Clone in Mammalian Expression Vector (DYKDDDDK Tag)

Overview

Quantity:	10 µg
Gene:	SLC22A24
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 SLC22A24 with C terminal DYKDDDDK tag is ideal for express proteins in E.coli & mammalian cells.
Brand:	GenEZ™
Insert Length:	1659 bp
Vector Backbone:	pcDNA3.1+C-(K)-DYK
Promoter:	CMV Promoter
Selectable Marker:	Neomycin
Bacterial Resistance:	Ampicillin
Expression Type:	Transient, Stable
Sequence:	ATGGGCTTTG ATGTGCTCCT GGATCAAGTG GGTGGCATGG GGAGATTCCA GATTTGTCTG ATAGCTTTCT TTTGCATCAC CAACATCCTA CTGTTCCCTA ATATTGTGTT GGAGAACTTC ACTGCATTCA CCCCTAGTCA TCGCTGCTGG GTCCCCCTCC TGGACAATGA CACTGTGTCT GACAATGATA CCGGGACCCT CAGCAAGGAT GACCTCCTGA GAATCTCCAT CCCACTGGAC

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Product Details

TCAAACCTGA GGCCACAGAA GTGTCAGCGC TTTATCCATC CCCAGTGGCA GCTCCTTCAC
CTGAACGGGA CCTTCCCCAA CACAAATGAG CCAGACACGG AGCCCTGTGT GGATGGCTGG
GTGTACGACA GAAGCTCTTT CCTCTCCACC ATCGTGA CTG AGTGGGACCT GGTATGTGAA
TCTCAGTCAC TAAAATCAAT GGTTCATCC CTATTTATGG CTGGGTCACT TCTGGGAGGT
CTAATATATG GCCATCTTTC AGACAGGGTT GGACGGAAGA TCATATGCAA ATTGTGTTTC
CTCCAGCTGG CCATCTCTAA CACCTGTGCG GCCTTCGCTC CCACCTTCCT TGTTTACTGC
ATACTGCGCT TCTTGGCAGG GTTCTCCACC ATGACTATTT TGGGAAACAC TTTTATTCTC
AGCTTAGAGT GGACATTGCC CCGGTCACGA TCTATGACAA TAATGGTGCT ATTATGTTCC
TACAGTGTTG GGCAGATGCT CCTAGGAGGG CTGGCTTTTG CCATTCAGGA CTGGCACATA
TTGCAACTGA CTGTGTCTAC ACCCATAATT GTCCTCTTCT TGTCCTCTTG GAAGATGGTG
GAGTCTGCTC GGTGGCTGAT TATCAACAAT CAGCTAGATG AGGGCTTAAA GGAGCTTAGA
AGAGTTGCAC ACATAAATGG AAAAAAGAAT ACTGAAGAGA CACTGACCAC TGAGCTTGTG
AGATCCACCA TGAAGAAGGA GTTGGATGCA GTCCGAATTA AAACATCCAT TTTTCCCTG
TTCCGTGCAC CCAAATTGCG AATGAGAGTC TTCGGCCTGT GCTTTGTGAG ATTCGCAATC
ACTGTACCCT TTTATGGCCT GATACTCAAC TTGCAGCACT TAGGGAGCAA TGTCTCCCTG
TTCCAGATTC TCTGTGGAGC TGTCACATTC ACAGCCAGAT GTGTTTTCCCT TTTGACACTG
AATCATATGG GTCGTGCAAT AAGCCAGATA TTGTTACAGT TCCCAGGTGGG ACTTTTCATT
CTGGTCAACA CCTTTTTGCC CCAAGAAATG CAGATCCTGC GTGTGGTTTT AGCAACTTTG
GGAATTGGTA GTGTTTCTGC TGCTAGCAAC AGTGCTTCTG TCCACCACAA CGAGCTCGTC
CCCACCATAT TGAGGTCAAC AGTTGCAGGA ATCAATGCAG TGTCGGTAG GACTGGGGCA
GCACTGGCTC CTCTGTTGAT GACCTTAATG GCGTATTCTC CCCACCTACC CTGGATTTCC
TATGGAGTCT TCCCCATCCT TGCTGTCCCT GTTATCCTCC TCCTTCCAGA AACAGGGAT
CTACCTCTTC CTAACACCAT CCAGGATGTG GAAAATGACA GAAAAGATTC AAGAAACATA
AAGCAGGAAG ATACTTGCAT GAAAGTAACA CAGTTTTAA

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:	SLC22A24
Alternative Name:	SLC22A24 (SLC22A24 Products)
Background:	SLC22A24 belongs to a large family of transmembrane proteins that function as uniporters, symporters, and antiporters to transport organic ions across cell membranes (Jacobsson et al., 2007 [PubMed 17714910]).[supplied by OMIM, Mar 2008].
Gene ID:	283238
NCBI Accession:	NM_001136506

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Storage:	RT/-20 °C
Storage Comment:	<ul style="list-style-type: none">• 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)
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