

Product datasheet for SC317583

SLC25A28 (NM_031212) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC25A28 (NM_031212) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC25A28
Synonyms:	MFRN2; MRS3/4; MRS4L; NPD016
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC317583 representing NM_031212. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGGAGTTGGAGGGGCGGGTGTGGCGGTGTGGCGGGGGGCCGGCGGCAGGGCCCGGGCGGAGCCCC
GGGGAGTCGGCGCTGCTGGACGGGTGGCTGCAGCGGGGCGTGGGCCGGGGGGCCGGCGCGGGGAGGCC
GGGGCTGCAGGCCCGGTACGACAAGATCCGGACTCCGGCCCGGACTACGAGGCGCTGCCGGTGGGA
GCCACTGTACCACGCACATGGTGGCAGGCGCGTGGCAGGGATCCTGGAGCACTGCGTGATGTACCCC
ATCGACTGCGTCAAGACCCGGATGCAGAGTCTACAGCCTGACCCAGCTGCCCGCTATCGCAATGTGTTG
GAGGCCCTCTGGAGGATTATAAGAACGGAGGGCCTATGGAGGCCATGAGGGGGCTGAACGTCACAGCA
ACAGGCGCAGGGCCTGCCACGCCCTTTATTTGCCTGTACGAAAAGTTAAAAAAGACATTGAGTGAT
GTAATCCACCCTGGGGCAATAGCCATATTGCCAATGGTGC GGCCGGGTGTGGCAACATTACTTCAT
GATGCAGCCATGAACCCTGCGGAAGTGGTCAAGCAGAGGATGCAGATGTACAACCTACCATAACCACCGG
GTGACAGACTGTGTACGGGCACTGTGGCAAAATGAAGGGGCCGGGGCCTTTACCGCAGCTACACCACC
CAGCTGACCATGAACGTTCTTTCCAAGCATTCACTTCATGACCTATGAATTCCTGCAGGAGCACTTT
AACCCCAAGACGGTACAACCCAAGCTCCCACGTCCTCTCTGGAGCTTGGCAGGAGCTGTAGCTGCC
GCAGCCACAACCCCACTGGACGTTTGAAAACACTGCTCAACACCCAGGAGTCCCTGGCTTTGAACCTCA
CACATTACAGGACATATCAGGCATGGCTAGTGCCTTCAGGACGGTATATCAAGTAGTGGGGTGACC
GCCTATTTCCGAGGGGTGCAGGCCAGAGTAATTTACCAGATCCCTCCACAGCCATCGCATGGTCTGTG
TATGAGTCTTCAAATACCTAATCACTAAAAGGCAAGAAGAGTGGAGGGCTGGCAAGTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_031212



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Insert Size:	1095 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_031212.3
RefSeq Size:	1584 bp
RefSeq ORF:	1095 bp
Locus ID:	81894
UniProt ID:	Q96A46
Cytogenetics:	10q24.2
Domains:	mito_carr
MW:	39.3 kDa
Gene Summary:	Mitochondrial iron transporter that mediates iron uptake. Probably required for heme synthesis of hemoproteins and Fe-S cluster assembly in non-erythroid cells. The iron delivered into the mitochondria, presumably as Fe(2+), is then probably delivered to ferrochelatase to catalyze Fe(2+) incorporation into protoporphyrin IX to make heme (By similarity).[UniProtKB/Swiss-Prot Function]