

Product datasheet for **SC309189**

SLC25A16 (NM_152707) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC25A16 (NM_152707) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC25A16
Synonyms:	D10S105E; GDA; GDC; HGT.1; hML7; ML7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC309189 representing NM_152707. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGCATCGCC**
 ATGGCGGCGGCGACGGCCGCGGAGCCCTGGCGGCGCGGATCCCCCTCCGCAATGCCGAGGCGGCA
 GGGGCCGAGGGCCACAACCCGAGAGACTTCTACTGGCTGCGCTCCTTCTGGCCGAGGTATTGCT
 GGATGCTGTGCCAAAACAACAGTTGCTCCATTGGATCGAGTAAAGGTTTTATTACAAGCTACAATCAC
 CATTACAAGCATTAGGAGTATTTCTGCATTGCGTGCTTCTCAAAAAGAAGGATTCCTTGATTG
 TATAAAGGAAATGGTGAATGATGATTGAATCTTCCCTATGGTGAATCCAGTTTATGGCATTGAG
 CATTATAAACGTTAATTACTACGAAGCTGGGAATTTCAAGTCATGTGCACAGATTAATGGCTGGATCC
 ATGGCAGGTATGACAGCAGTTATCTGTACTTACCCTCTTGACATGGTTAGGGTCCGCCTAGCATTCCAG
 GTGAAAGGGGAACACAGCTATACAGGAATTATTCATGCTTTCAAAACAATTTATGCAAAGGAAGTGGT
 TTCTTTGGATTTTACAGAGGTCTGATGCCTACTATTTTAGGAATGGCTCCATATGCAGGTGTTTCATTT
 TTTACTTTTGGTACCTTGAAGAGTGTGGGCTTTCCCATGCTCCTACCCTCTTGGCAGACCTTCATCA
 GACAATCCTAATGTCTTAGTTTTGAAACTCATGTAACTTACTTTGTGGTGGTGTGCTGGAGCAATA
 GCGCAGACAATATCCTACCCATTTGATGTGACTCGTGGCGAATGCAATTAGGAAGTGTCTGCCGGAA
 TTTGAAAAGTGCCTTACCATGCGGATACTATGAAGTATGTCTATGGACCATGGAATTCGAAAAGGA
 CTCTATCGTGGTTATCTTAATTACATTGCTGTATTCCCTCTCAAGCAGTGGCTTTTACAACATAC
 GAACTTATGAAGCAGTTTTTTCACCTCAAC**TA**
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	Sgfl-MluI
ACCN:	NM_152707
Insert Size:	999 bp


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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:	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_152707.3
RefSeq Size:	2264 bp
RefSeq ORF:	999 bp
Locus ID:	8034
UniProt ID:	P16260
Cytogenetics:	10q21.3
Protein Families:	Druggable Genome
MW:	36.2 kDa
Gene Summary:	This gene encodes a protein that contains three tandemly repeated mitochondrial carrier protein domains. The encoded protein is localized in the inner membrane and facilitates the rapid transport and exchange of molecules between the cytosol and the mitochondrial matrix space. This gene has a possible role in Graves' disease. [provided by RefSeq, Jul 2008]