

Product datasheet for **SC317594**

SLC25A41 (NM_173637) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	SLC25A41
Synonyms:	APC4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC317594 representing NM_173637. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAAATTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGGCGCTCAGCCTGGGGAACCTCAGAACACTTGTCTAGGATCCAGACACTGTTTAGGAGGGTCAAG
ACCTTACTCATCAAAGCCCCGCTCCCCCAACCTCCGCCTCCACCCCATCCTGGAACCTTGGCTGT
ACACACGTGTATGGGTACGCGTTTGGCCACATGCATGACAACAACCTTGAACATCTCCCGTCACAGCAG
GTACTGGACACAGGAGAGCAGCTGATGGTCCCCGTGGAAGTCTGGAAGTGGATAACAAGGAGGCCTTG
TGGAAGTTTCTACTCTCAGGAGCTATGGCCGGGGCGGTGTCTCGCACGGGCACGGCACCTCTGGACAGA
GCCAAGGTGTACATGCAGGTCTACTCTCAAGACGAACTTCACCAACCTGCTGGGGGGGCTACAGAGC
ATGGTCCAGGAGGGCGGCTTCCGCTCCCTGTGGCGGGCAACGGCATCAACGTGCTCAAGATTGCTCCT
GAGTATGCCATCAAGTTCTCCGTATTCGAGCAGTGCAAGAATTACTTCTGTGGAATAACAAGGTCCCCG
CCCTTCCAGGAGCGTCTCCTTGTGGCTCCCTGGCTGTGGCCATCTCCAGACCCTCATCAACCCCATG
GAGGTGCTGAAGACGCGGTTGACCTTGCCTCGGACGGGCCAGTACAAGGGGCTGCTGGACTGCGCCAGG
CAGATCTTGACGAGAGAGGGCACCCGCGCCCTTACC GCGGCTACCTGCCAATATGCTCGGCATCATC
CCCTATGCCTGCACCGACCTGGCTGTCTATGAGATGCTCCAGTGCTTCTGGGTGAAGTCAGGCAGGGAT
ATGGGGGACCCAGTGGCTGGTCACTGTCTGTGACGCTATCCACGACCTGTGGCCAGATGGCC
AGCTACCCACTGACTCTGGTGCGCACCAAGGATGCAGGCCAAGATACCGTGGAGGGCTCAAATCCCACC
ATGCGCGGAGTCTCCAGCGGATCTGGCCAGCAGGGCTGGCTAGGGCTGTACCGAGGCATGACCCCC
ACGCTACTGAAGTCTTACCAGCAGGTGGCATCAGCTATGTGGTGTACGAAGCCATGAAGAAAACCTG
GGCATATAG
AGCGGACCGACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGAT
ATCCTGGATTACAAGGATGACGACGATAAGGTTTAA
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Restriction Sites: SgfI-RsrII



ACCN:	NM_173637
Insert Size:	1113 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:	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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_173637.3
RefSeq Size:	1571 bp
RefSeq ORF:	1113 bp
Locus ID:	284427
UniProt ID:	Q8N5S1
Cytogenetics:	19p13.3
Protein Families:	Druggable Genome
MW:	40.8 kDa
Gene Summary:	SLC25A41 belongs to the SLC25 family of mitochondrial carrier proteins (Haitina et al., 2006 [PubMed 16949250]).[supplied by OMIM, Mar 2008]