

Product datasheet for **SC334614**

SLC25A45 (NM_001300820) Human Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | SLC25A45 (NM_001300820) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | SLC25A45 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Fully Sequenced ORF: | >NCBI ORF sequence for NM_001300820, the custom clone sequence may differ by one or more nucleotides |

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ATGCCGGTGGAGGAATTTGTGGCTGGCTGGATCTCTGGCGCTCTGGGCTTGGTCCTGGGACACCCGTTTG  
ACACTGTAAGGTTGAGGCTGCAGACCCAGACCCTACCGGGGCATCGTTGATTGCATGGTCAAGATTTA  
CCGCCATGAGTCCGCCTACTGTCTGGCTCCTTTTGACCTCATCAAAGTCCGGCTACAAAACCAGACAGAG  
CCAAGGGCCAGCCAGGGAGCCCCACCCCGTACCAGGGGCCCGTGCCTGTGCAGCCTCCATCTTCC  
GGGAGGAGGGGCCCGGGGGCTGTTCCGAGGAGCCTGGGCCCTGACGCTGAGGGACACCCACCGTGGG  
GATCTACTTCATCACCTATGAAGGGCTGTGCGCCAGTACACACCAGAAGCCAGAATCCCAGCTCAGCC  
ACGGTGTGGTGGCAGGGGGCTTTGCAGGCATTGCTTCTGGGTGGCAGCCACGCCCTTAGACGTGATCA  
AGTCCCGGATGCAGATGGATGGACTGAGACGCAGAGTGTACCAGGGGATGCTGGACTGCATGGTGCAGCAG  
CATCCGGCAGGAAGGACTGGGAGTCTTCTTCCGGGGGTACCATCAACAGTGCCCGCGCCTTTCCCGTC  
AATGCTGTACCTTCTCAGCTACGAATATCTCTCCGCTGGTGGGATGA
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| Restriction Sites: | Sgfl-MluI |
| ACCN: | NM_001300820 |
| 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). |
| 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). |



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| 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: | <u>NM_001300820.1, NP_001287749.1</u> |
| RefSeq Size: | 2349 bp |
| RefSeq ORF: | 681 bp |
| Locus ID: | 283130 |
| UniProt ID: | <u>Q8N413</u> |
| Cytogenetics: | 11q13.1 |
| Protein Families: | Druggable Genome, Transmembrane |
| Gene Summary: | <p>SLC25A45 belongs to the SLC25 family of mitochondrial carrier proteins (Haitina et al., 2006 [PubMed 16949250]).[supplied by OMIM, Mar 2008]</p> <p>Transcript Variant: This variant (5) differs in the 5' UTR and lacks an alternate in-frame exon compared to variant 1. The resulting isoform (d) has the same N- and C-termini but is shorter compared to isoform a.</p> |