

Product datasheet for **SC331150**

SLC25A22 (NM_001191061) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: SLC25A22 (NM_001191061) Human Untagged Clone
Tag: Tag Free
Symbol: SLC25A22
Synonyms: DEE3; EIEE3; GC-1; GC1; NET44
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC331150 representing NM_001191061.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGCTGATAAGCAGATCAGCCTGCCAGCCAAGCTCATCAATGGCGGCATCGCCGGGCTGATCGGTGTC
ACCTGCGTGTTCATCGACCTGGCCAAGACCAGGCTGCAGAACCAGCAGAACGGCCAGCGGTGTAC
ACGAGCATGTCCGACTGCCTCATCAAGACCGTCCGCTCCGAGGGTACTTCGGCATGTACCGGGGAGCT
GCTGTGAACCTTGACCCTCGTACCCCGGAGAAGGCCATCAAGCTGGCAGCCAACGACTTCTCCGACAT
CAGCTCTCTAAGGACGGGCAGAAGCTGACCCTGCTTAAAGAGATGCTGGCGGGCTGTGGGCTGGCACC
TGCCAGGTGATCGTGACCACGCCATGGAGATGCTGAAGATCCAGCTGCAGGATGCAGGGCGCATTGCC
GCCAGAGGAAGATCCTGGCTGCCAGGGCCAGCTCTCGGCCAGGGGGTGCCAGCCCTCAGTGGAG
GCTCCAGTGCCCTCGGCCACGGCCACCCAGCTGACCCGCGACCTGCTGCGGAGCCGTGGCATTGCC
GGTCTCTACAAGGGACTCGGGGCCACGCTGCTCAGGGATGTCCCTTCTCTGTGGTGTACTTCCCGCTC
TTTGCCAACTGAACCAGCTGGGCGCCCGGCGTCCGAGGAGAAGTCGCCTTTCTACGTGCTCTTCTG
GCCGGCTGTGTGGCTGGGAGTGCCGCGCTGTGGCCGTCAACCCCTGTGATGTGGTGAAGACGGGCTC
CAGTCACTTCAGCGAGGCGTCAACGAGGACACCTACTCTGGGATCCTGGACTGTGCCAGGAAGATCCTG
CGGCACGAGGGCCCTCGGCCTTCTGAAGGGCGCCTACTGCCGCGCTGGTTCATCGCGCCCTTTTC
GGCATCGCACAGGTGGTCTACTTCTGGGCATCGCGGAGTCCCTGCTGGGCTGCTGCAGGACCCCAAG
GCCTGA
  
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Restriction Sites: Sgfl-Mlul
ACCN: NM_001191061
Insert Size: 972 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).
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:

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_001191061.1](#)

RefSeq Size: 2649 bp

RefSeq ORF: 972 bp

Locus ID: 79751

UniProt ID: [Q9H936](#)

Cytogenetics: 11p15.5

Protein Families: Transmembrane

MW: 34.5 kDa

Gene Summary: This gene encodes a mitochondrial glutamate carrier. Mutations in this gene are associated with early infantile epileptic encephalopathy. Multiple alternatively spliced variants, encoding the same protein, have been identified.[provided by RefSeq, Jul 2010]
Transcript Variant: This variant (3) differs in the 5' UTR compared to variant 1. Variants 1, 2 and 3 encode the same protein.