

Product datasheet for **SC319589**

SLC25A22 (NM_024698) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC25A22 (NM_024698) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC25A22
Synonyms:	DEE3; EIEE3; GC-1; GC1; NET44
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_024698.4
 GTGGAAGAGCCATCCAGAGTGAAGTGCCTGGGGCAGAGTGAAGCAGGACCAGCGGGCAGG
 TGGCGGAGCGGGGTCCGGTGGTGGATGGCCAGCCCTGGAAAGCCGAGGTGAAGGTTACG
 AGTCCCTGAGGATCTGTGGGTGTGAGCCAGCCGCTGGCCCTGGGCAACGGCGCTGCCGG
 ACAGAAGTGGCGGTTGCTGACGCTGAAATCCCCTGAAGGTGGAGCACCACCAACCC
 CCCTGGGTCCCACCCTCCCTCAAGGCCTCCTCCACCTCCACCTCCACCCCGCTGGCCTG
 GCGTCCACCTCTGCGGCTCCTACCTGGGTGCAATCGAGTTAAATGGCTGATAAGCAGATC
 AGCCTGCCAGCCAAGCTCATCAATGGCGGCATCGCCGGGCTGATCGGTGTACCTGCGTG
 TTTCCATCGACCTGGCCAAGACCAGGCTGCAGAACAGCAGAACGGCCAGCGCGTGTAC
 ACGAGCATGTCCGACTGCCTCATCAAGACCGTCCGCTCCGAGGGCTACTTCGGCATGTAC
 CGGGGAGCTGCTGTGAACCTGACCCCTGTCACCCCGAGAAGGCCATCAAGCTGGCAGCC
 AACGACTTCTTCCGACATCAGCTCTTAAGGACGGGCAGAAGCTGACCCTGCTTAAAGAG
 ATGCTGGCGGGCTGTGGGCTGGCACCTGCCAGGTGATCGTGACCAGCCCATGGAGATG
 CTGAAGATCCAGCTGCAGGATGCAGGGCGCATTGCCGCCAGAGGAAGATCCTGGCTGCC
 CAGGGCCAGCTCTCGGCCAGGGGGGTGCCAGCCCTCAGTGGAGGCTCCAGCTGCCCT
 CGGCCACGGCCACCCAGCTGACCCGCGACCTGCTGCGGAGCCGTGGCATTGCCGGTCTC
 TACAAGGGACTCGGGGCCACGCTGCTCAGGGATGTCCCCTTCTGTGGTGTACTTCCC
 CTCTTTGCCAACCTGAACCAGCTGGGCCGCCCGCGCTCCGAGGAGAAGTCGCTTTTCTAC
 GTGTCTTCTCGCCGGCTGTGTGGTGGGAGTCCCGCCGCTGTGGCCGTCAACCCTGT
 GATGTGGTGAAGACGGGCTCCAGTCACTTCAGCGAGGCGTCAACGAGGACACCTACTCT
 GGGATCCTGGACTGTGCCAGGAAGATCCTGCGGCACGAGGGCCCTCGGCCTTCTGAAG
 GGCGCTACTGCCGCGCCTGGTTCATCGCGCCCTTTTCGGCATCGCACAGGTGGTCTAC
 TTCTGGGCATCGCGGATCCCTGCTGGGCTGCTGCAGGACCCCAAGGCTGAGCCAG
 CACCCGCTCCACCCAGCCAGCTGGGCAGGGCCGGTGTGGGCTGGAGCCAGGCAGCTAG
 CCCAGGACGGAGCAAGGGAAGACCCCTCCCAGCCCTCCCGTCCGCGAGGGGCAGCAGGG
 GCAGGGTGCAGGGTCCACATAGGTGGTGCACACGCAAGCCCCCGGGTGTGCCTGCAC
 CGTTGGGATCAATGTCTCATTTATGTAGAAAATGCAGAAAATCTTTACATTCCTCAAGTA
 GCCCTGCCCAATCCTGCCCTGGCCTGAACACCCCAAGGACAGAGCTGGTCTCTGGGC
 TGGGGGCCCGGGCCTGGGCCGGGCAGGCTGGACCATACCCCAAGTCCACCAGCTCCAG
 TCTCCACAGCCATCCTGGCCACACAGGCACCCACACAAACCTGTTTATTGAATCTGCT
 GGACCAAGCGGCTCTCCAGCCCTTCCGCTCTCCCAGCCGCTCTTGTGCCTTGGCAG
 GACTTGACTCTGCCTCCCTGGCCAGCCTTGAAGAGGACTGGGGTCTCCTGCCCTCTCTG
 TTGAGCCAGGAATCCCAAGTGAAGGGTTCCTGAGGTCTGACTCTTGGGGCAAGCCCGC
 CACCCACTGTGGGACTTTCTGGTGGGCTCCTCAGCTCCCACCCAGGCTGGGGCCAGAT
 TGTGAGGTCTGTGTGCATGTGTGTGTATGTGTGTGTGCATGCGTGTGTGTGTGTGGG
 GATCTGGCCTGGCCCTTGGGGATGGGGCTGCTGGGGACTGCCCCCTTCCCGCCGTGGCC
 AGGCGCTCTGTGTGTGTGTGTGCCCAAGGCTCTGTTGACCCCGTCCAGGAACCTA
 CCCAGCTTGGTCTCTCCTGAGTCTCCACCTGGCCTGGGATTGGCCAGGGAGCAGGGCG
 GGCATTGGGACCAAGTGTGGAGCCTGAGGGTGCCTGCCCTGCTCTGGAGGGAGGGCCAGGA
 GCTGCCACACCCCAAGTCTCTCAGGGCCACCCCTCCTTTTTCAGCCTCTGCATAAGGC
 CCTGGGTACTGCAGAACCCCATCCTTCCCGCTCCGGGCATAAGGCCCTGACCAC
 ACTTCAGAAAGCCCATCCCCCTGCCACCGGGCGATCCCTGCTGTGAGCCGAAGCTCTCC
 CTGCCCGCCCTGGCCATGTGATCGTGTGGTGCAGACCCTGATGTGCTGGTGTGTGT
 CCCCAAAACCGGGGCCCTCCACAGAGGCCCTTCCAGCGACACTACCTGGGGCTCAGGC
 CTGGACCCCGCCAGTTCACGGTTGCTCCTGGGAGCTGCCCTCCCGTCACATCAGAACCT
 TGGAAGCTGCTGTGCTGCTTACAGAATTATATTTTTTTCTTTTGAAGAGTTTTAAGAAG
 TTGTAACTTTTGTGCTTGTGCATGTCAGAGAATAAATAAATATTCTAAGTAGAAAAAAA
 AAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire
ACCN: NM_024698

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:	<u>NM_024698.4, NP_078974.1</u>
RefSeq Size:	2780 bp
RefSeq ORF:	972 bp
Locus ID:	79751
UniProt ID:	<u>Q9H936</u>
Cytogenetics:	11p15.5
Domains:	mito_carr
Protein Families:	Transmembrane
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1, 2 and 3 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>