

Product datasheet for **SC105169**

SLC25A33 (NM_032315) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC25A33 (NM_032315) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC25A33
Synonyms:	BMSC-MCP; PNC1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC105169 sequence for NM_032315 edited (data generated by NextGen Sequencing)

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ATGGCGACGGGCGGCCAGCAGAAGGAGAACACGCTGCTTACCTCTTCGCCGGCGGGTGT
GGAGGCACAGTTGGTGCTATTTTCACTTGTCCACTAGAAAGTCATTAAGACACGGTTGCAG
TCTTCAAGATTAGCTCTCCGGACAGTCTACTATCCTCAGGTTTCATCTGGGACCATTAGT
GGAGCTGGAATGGTGAGACCAACATCCGTGACACCTGGACTCTTTCAGGTTCTGAAGTCG
ATCTTGGAGAAAGAGGGACCAAAGTCACTTTTTAGAGGCTTGGGTCCAAATTTGGTTGGA
GTTGCACCATCAAGGGCTGTATACTTTGCATGTTACTCCAAAGCCAAAGAGCAATTTAAT
GGCATTTTCGTGCCTAACAGCAATATTGTGCATATTTTCTCAGCTGGCTCTGCAGCTTTT
ATCACAATTCCTTAATGAATCCTATATGGATGGTTAAAACCGAATGCAGCTAGAACAG
AAAGTGAGGGGCTCTGAGCAGATGAATACACTCCAGTGTGCTCGTTACGTTTACCAGACC
GAAGGCATTTCGTGGCTTCTATAGAGGATTAAGTGCCTCGTATGCTGGAATTTCCGAAACT
ATAATCTGCTTTGCTATTTATGAAAAGTTTAAAGAAGTATCTGAAAGAAGCTCCATTAGCC
TCTTCTGCAAAATGGGACTGAGAAAAATCCACAAGTTTTTTGGACTTATGGCAGCTGCT
GCTCTTTCTAAGGGCTGTGCCTCCTGCATTGCTTATCCACACGAAGTCATAAGGACGAGG
CTCCGGGAAGAGGGCACCAAGTACAAGTCTTTTGTCCAGACGGCGCGCCTGGTGTCCGG
GAAGAAGGCTACCTTGCCTTTTATAGAGGACTGTTTGGCCAGCTTATCCGGCAGATCCCA
AATACTGCCATTGTGTTGCTACTTATGAGTTAATTGTGTACCTGTTAGAAGACCGTACT
CAGTAA
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Clone variation with respect to NM_032315.2
496 a=>g



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_032315 unedited
 TTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGCGCCGGCGGCCAC
 GCCGCGGAAGGCGCGGGCCGAGCAGAGCCGGCGTTGGAGCCCGCGCGCATGGAGGCG
 TTGCCGGCAGCCCCTGAGGGCAGCGGGGAGACAAGACCCGGCGACCTCGCGCATCCCTC
 GAGCCGCCACGCGCTCTCGCCACCGGGCGGCGACGGCCGGGAGCCGGCGCGGCCATGG
 CGACGGGCGGCCAGCAGAAGGAGAACACGCTGCTTCACCTCTTCGCCGGCGGGTGGAG
 GCACAGTTGGTGCTATTTTCACTTGCCACTAGAAGTCATTAAGACACGGTTGCAGTCTT
 CAAGATTAGCTCTCCGGACAGTCTACTATCCTCAGGTTTCATCTGGGGACCATTAGTGGAG
 CTGGAATGGTGAGACCAACATCCGTGACACCTGGACTCTTTCAGGTTCTGAAGTCGATCT
 TGGAGAAAAGGGGACCAAGTCACTTTTTAGAGGCTTGGGTCCAAATTTGGTTGGAGTTG
 CACCATCAAGGGCTGTATACTTTGCATGTTACTCCAAAGCCAAAGAGCAATTTAATGGCA
 TTTTCGTGCCTAACAGCAATATTGTGCATATTTTCTCAGCTGGCTCTGCAGCTTTTATCA
 CAAATTCCTTAATGAATCCTATATGGATGGTAAAACCCGAATGCAGCTAGAACAGAAAG
 TGAGGGGCTGAGCAGATGAATACACTCCAGTGTGCTCGNTACGTTTACCAGACCGAAGGC
 ATTCGTGGCTTTCTATAGAGGATAACTGGCTCGTATGCTGGNAATCCGAAACTATAATC
 TGCTNTGCTATTTATGAAAGTTAAGAAGTATCTGGAAGAAGCTCCATTAGCCTCCTCTG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_032315 unedited
 TTTGGCCGCGCCGCTATCTANAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
 TTTTTTTTTTTAAAATAAAATAGCATGATTTAATTTAGTTGGGGCTTAACCCTGAATCC
 TTTTAAGTTAAAAAAAAGTTATAATTAACTTTTAACGTTAATGAATTTAAACCTTCCAA
 AAAGCATGAATCCAAAAGGAAATGTCCAACAGGTGATATGAACCAATTTTTTATGGCCT
 TTCCTGTTTCAGTCTCAAACTTTTTAAACATCAATGGGGAAAAAAATTTCTTTAAAGTTT
 TTCAGTTTTATTTTTTAAAGCACAATTTCCGGCCTGTTACTGAGTACGGTCTTTTAAAC
 AGGTCCCAATTAACCTATAAGTAAACAACACAATGGCAGTTTTTGGGATCTGCCGGATA
 AGCTGGGCAAACAGTCCTTTATAAAAAGGCAAGGTAGCCTTTTTCCCGAACACCAGGCGC
 GCCGTTTGGACAAAAAATTGTACTTGGGGCCCTTTCCCGGAGCCTCGTCTTATGACT
 TCGGGTGGATAAGCAATGCAGGAGGCACAGCCCTAAAAAGAGCACCAGCTGCCATAAGT
 CCAAAAAAATTTGTGGAATTTTTCTCAGTCCCATTGCAAAGAGGCTAATGGAGCTTCT
 TTCAGATACTTTTTTAACTTTTCATAAATAGCAAAGCAGATTATAGTTTCGGAAATCCA
 GCATACGAGGCAGTTAATCCTCTATAGAACCACGAATGCCTTTTCGGCTGGTAAACGTAC
 CAGCACACTGTATTGTTTCATCTGCTCAGCCCTCACTTTTGGTCTACTGGTTTCGGTTTT
 ACCCTCCTTTAGGATCTTTAGGAATTTGGATAAACTGAGACCAGCTGAAAAATTGCCCAT
 ATGCTGTAGCCCAATGCATAAATGCTTTTGCTTAGGGAAACTGCAAGTAAN

Restriction Sites:

NotI-NotI

ACCN:

NM_032315

Insert Size:

1310 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).

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:	NM_032315.1 , NP_115691.1
RefSeq Size:	1482 bp
RefSeq ORF:	966 bp
Locus ID:	84275
UniProt ID:	Q9BSK2
Cytogenetics:	1p36.22
Domains:	mito_carr
Protein Families:	Transmembrane
Gene Summary:	SLC25A33 belongs to the SLC25 family of mitochondrial carrier proteins (Haitina et al., 2006 [PubMed 16949250]).[supplied by OMIM, Mar 2008]