

Product datasheet for **SC123584**

SLC48A1 (BC019703) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC48A1 (BC019703) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC48A1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

>OriGene sequence for BC019703 edited
 GGCTGCACATGTTACTGTGTGTTGGGTAAGAAACATACATGGGCACAGTTGGTCAGATA
 TGAGACCACAGGATTTGTGAGGCATGCCCTTAGTATTCATGATTATGGTTTTGCTTTG
 TTTTGTGTTGAGATGGGGTCTCATTCTGTCAACCCAGGCTGGAGTGCAGCAGTGCCATCTCA
 GCTCACTGCAACCTCCACCTCTACGCTCAAGCAATCCTCCACCTCAGCTCCCAAGTAG
 CTGAGACCACAGGCACGACACCACACCTGGCTAATTTTTTTGTGATTTTGGTAGAGACA
 GGGTTTTGCCATGTTGCCAGGCTGGTCTTGAACCTCTGAGCTCAGGAGATCCACTGGCC
 TCAGCCTCCCAAGGTGCTAGGGTTATAGGCATGAGCCACCGCACCCGGCCATTTATATAT
 GGCATGAGCCACTGTGCCATACCTAAAATCAGCTGCTGCAGAACTAAAATGAGCAGATTG
 CAATTGTGGCCAACACCATTTTTTACCCAAAACCATTTTCCCATCTTCTTGCTAACAGA
 ACTTGATTTGGGCTGAATCAATGTGTCCAGATCAGTGATAGATCTACACTGGTCTATGCC
 AATTATGACAATCTTATCCCTAACTGATCAGCTTCTTTGTAGGTTGGCGGGCCGGGG
 AGGGGCCATGGGATCCAATTCTGACCAATGAGGCCTAAGGGGAAGTATGCTTTGGAGATT
 TCTGGGAAAGATTTTTCTATCCTAACAAAAGGAAAGTCAGCTGACGTCACCTTACCT
 TCCTATTCTTCTGCCTGAATGTGGATGTGACTTTTTGTATGAAGAAAAATAATGA
 ATGTATTTAAGCCATTGTTAGGTAGGGTTCTGTACCTCATAGCTGAACGCATTTCTAAC
 TGATAGTGGTGAGCAATGAACAAGTGAATTTTACAGTAATGGAGCAGAGGGTCAAGTTGA
 CCTACAATCTTTAGCTTGACTAATTGAATGACTGGAAGCCCAATTGGTAGATAAATATA
 AAGAGTGTGAGAAGGAGGAGAGGTGAGAGCACATAGATAAGTTTTATTTGGGTGACTCTA
 AGACCTCAGTCATGCCTGACATAATGGGATTCTGTGACGCATGTGTGGACCTTTGCAA
 TGGAGCTGCTCAGAACATCGTTGGAACCCCTTTGGAATTTCTCAGCAAAGCCTGATTC
 ACCTTCTCTGTAATTTCTCACTGTGATGATTTTTTCACTACTTTCATGGGGGGTTGATT
 TTTGGAATATCTGAGACTAAGTAAGGTGCATTATGAGATTAGGATAAAATAAATATTTG
 GGTGAGTGATTTAATAAATAAACATAATCCTGATAATTGTAGAGTGTGTGTGTGTGTG
 TGTGTGTGCGCACGCGTGTATCAGAACTCCTCCTGAAAGCAATTCCAGAACATGAATTA
 CAAACATGTTTTTAACTGGAAGCATCATTTGCAAAAATATTTCACTTAAGTAAT
 TTTGCTGAAGACTGACTTTTGCCAAATAATCTTTTTTATCTCTTAAAGTTGGCAATC
 CAAACATTCTCTCAAGTAAACAAGCAAGTATTCTCCATGTTCTCAATACTCCTCCCTCA
 GAAATGGTCTCAGAGTTCTCATCTTGGGTCCTTTATCAGATTTACTTTATGAAATGAAT
 ATAATTTCTGAGCAATAAATGGAATAATAGCATTTCCTCCCTCCTAAAGAAATGTG
 GTGAACAAGAGTTGGTCAGCAACACCTAGAATCTGGAGTATCTCATGGGTTCCATAAA
 TAGTTGGCATAATTAATAATTGCTAGTAAAGAGATTGTGTTATTAATATATTACTGAGGA
 TTAATAATCATGTATTATAATCTTTCCAGAAATGACAAAATGTATCACTATTAATAATCT
 TCTTCAAAAAAATAAAAAAAAAAAAAA

5' Read Nucleotide Sequence:

>OriGene 5' read for BC019703 unedited
 NAAGGTCAATATTGTATACGACTCATATAGGCGGCCGNAATCCCGGGATATCGTCGAC
 CCACGCGTCCGGGCTGCACATGTTACTGTGTGTTGGGTAAGAAACATACATGGGCACAG
 TTGGTCAGATATGAGACCACAGGATTTGTGAGGCATGCCCTTAGTATTCATGATTATGG
 TTTTGTGTTGTTTGTGTTGAGATGGGGTCTCATTCTGTCAACCCAGGCTGGAGTGCAGCA
 GTGCCATCTCAGCTCACTGCAACCTCCACCTCTACGCTCAAGCAATCCTCCACCTCAGC
 CTCCCAAGTAGCTGAGACCACAGGCACGACACCACACCTGGCTAATTTTTTTGTGATTT
 TGGTAGAGACAGGGTTTGCCTATGTTGCCAGGCTGGTCTTGAACCTCTGAGCTCAGGAG
 ATCCAATGGCCTCAGCTCCCAAGGTGCTAGGGTTATAGGCATGAGCCACCGCACCCGGC
 CATTTATATATGGCATGAGCCACTGTGCCATACCTAAAATCAGCTGCTGCAGAACTAAAA
 TGAGCAGATTGCAATTGTGGCCAACACCATTTTTTACCCAAAACCATTTTCCCATCTTCC
 TTGCTAACAGAACTTGATTTGGGCTGAATCAATGTGTCCAGATCAGTGATAGATCTACAC
 TGGTATGCAATTATGACAATCTTATCCCTAACTGATCAGCTTCTTTGTAGGTTGG
 CGGGGCCGNGAGGGGCCATGGGATCCAATTCTGACCAATGAGGCCTAAGGGGAAGTATG
 CTTTGGAGATTTCTGGGAAAGATTTTTCTATCCTAACAAAAGGAAAGTCAGCTGACGTCA
 CCCTTACCTTCTATTCTTCTGCTGCTGATGTGACTTTTTTGTATGTAAGAAA
 AATAATGAATGTATTTAAGCCATTGTTAGTAG

Restriction Sites:	Please inquire
ACCN:	BC019703
Insert Size:	1949 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:	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>BC019703.1</u>
RefSeq Size:	1949 bp
Locus ID:	55652
Cytogenetics:	12q13.11
Protein Families:	Transmembrane
Gene Summary:	Heme transporter that regulates intracellular heme availability through the endosomal or lysosomal compartment.[UniProtKB/Swiss-Prot Function]