

Product datasheet for **SC322719**

SLC48A1 (NM_017842) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC48A1 (NM_017842) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC48A1
Synonyms:	hHRG-1; HRG-1; HRG1
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 SC322719
 GCGGCTTCGGGCCCTGCACCTGTGACTCTCGGCCGCGCTCGCCCTCGGCCCGCCGGCGC
 CGCAGCCCCATGGCCCCGTCCAGGCTGCAGCTCGGCCCTCCGCGCCGCTACTCCGGCATC
 AGCTCCGTGGCCGGCTTCTCCATCTTCTCGTCTGGACGGTGGTCTACCGACAGCCGGG
 ACCGCGGCCATGGGAGGGCTCGCAGGGGTGCTGGCACTGTGGTCTGGTACGCACGTG
 ATGTACATGCAAGATTATTGGAGGACCTGGCTCAAGGGGTGCGCGGCTTCTTCTTCGTG
 GGCGCTCTTCTCGGCCGTCTCCATCGCTGCCTTCTGCACCTTCTCGTGTGGCCATC
 ACCCGGCATCAGAGCCTCACAGACCCACCAGCTACTACCTCTCCAGCGTCTGGAGCTTC
 ATTTCTTCAAGTGGGCTTCTGCTCAGCCTCTATGCCACCGTACCGGGCTGACTTT
 GCTGACATCAGCATCCTCAGCGATTTCTGACCCAGGGGTGAGGTCTCTGCACCTGGGG
 GGGCTTAGGACCTGGACTCAGCCTCTGAGATGTTGGGAGAGGCTACTCCACCCCTGG
 TGACCCCAAGTGTGGCAGAAATACACAGCAGGACGAGTGTGGTCTCCAGGAAGCTG
 TCCTGCCCGTCCCTTTGAGGAAACCTGAGTGTGGTAGAGAGGGATCTGCCATGTTG
 CTCCTCATCAGCCTGGCCAGAGGGCAGCTTAGACCTTTTCAAATGAATCTGTTTTCTT
 TCTTTCTTTTTTTTTTTTTTTTTTTTTTTTTTTTGGAGTGGAGTCTTACTCTGTACCCA
 GGTGAGTGCAGTAGTCGATCTCAGCTCACTGCAACCTCCGCCTCCAGGTTCAAGCA
 ATTCTCTGCCTTGGCCTCTCAAGTAGCTGGGATTACAGGCATCTGCCACCATGCCCGGC
 AAATTTTGTGTTTTAGTAGAGACAGGGTTTTGCCATGTTGGCAGGCTGGTCTCGAAC
 TCCTGATCTCAGGTGATTCACCCGCTCAGCCTTCCAAAGTGTGGGATTATAGGTGTGA
 GCCACCGTGCCCGGCTGGATCTGTTTTCTTAGCACGAGTGAAGGATCTTTGTACTTAA
 GGCCAGGGCAACAAAGTCAAGAGGTCAAGGTGTAGGGCATGAGGCTGGACCTATGCTG
 CAGGCAAGGGTTTCCATCCCGCTGCCCTAGGCACTCTTCCCAAGGCCAGGTTGGGCA
 CCTGGGAGGTGAGTTCAGAAATATCTAGCAGAGACCTTTAAACCCCATCCAGCACC
 CCATCCTGTTGTTCCAGAGCTGGTCTCCCATGAGTGTGCTAGAGCCAGATAGCCGTGGC
 CCCCCACCATCTCACTCACACACAGGCATCCATACCCCCAGAAGACTTCCCAAATG
 AGGCCAGACTCAGGGTCACGGGAATGTGCTTCTGCCCTGTAAGGGCTTTGGGAAGGG
 GGCAACATAGTAGAGGCTGGAAGAGCCCCAACCTGTGCCATGCCCTCCAGCCCTG
 CGTTTCCATTCTGCCTTCTCAGAGTGCCTTGTGACCCAGACCACGGCCAGGAGAGA
 CCTTCTCTCCACTCCAGCCCTCTCACTGCCCTTCACTAGAGCTTTTACCTTTTTACA
 TTTCCCTTCTGAAGGACACAAATCTGCTTTTCTGCCATACACTGGCCAAGGGCTCACC
 TAAGTGGGAGGGAAGGGCTGTTGGTACAAGGATGATTTTCTGTTAGACTGCCATTTTG
 CAGGCTCTCCCTTCCATCTGATGTGCTGCTGCCCTCAGCTCTTGCCTTATCTGTGT
 CACTGTCACTTTAGCAAAAATACAGCGGCCATTTGTATCAAAAAAAAAAAAAAAAAAAAA
 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_017842

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:	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_017842.1, NP_060312.1</u>
RefSeq Size:	1950 bp
RefSeq ORF:	720 bp
Locus ID:	55652
UniProt ID:	<u>Q6P1K1</u>
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]