

## Product datasheet for SC113891

### SLC48A1 (NM\_017842) Human Untagged Clone

#### Product data:

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| 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:    | None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Vector:                      | <u>pCMV6-XL4</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| E. coli Selection:           | Ampicillin (100 ug/mL)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Fully Sequenced ORF:         | <p>&gt;OriGene ORF within SC113891 sequence for NM_017842 edited (data generated by NextGen Sequencing)</p> <p>ATGGCCCCGTCCAGGCTCGAGCTCGGCCTCCGCGCCGCTACTCCGGCATCAGCTCCGTG<br/>         GCCGGCTTCTCCATCTTCTCGTCTGGACGGTGGTCTACCGACAGCCGGGACCGCGGCC<br/>         ATGGGAGGGCTCGCAGGGGTGCTGGCACTGTGGTCTGTTGACGCACGTGATGTACATG<br/>         CAAGATTATTGGAGGACCTGGCTCAAGGGGCTGCGCGGCTTCTTCTCGTGGCGCTCCTC<br/>         TTCTCGGCGCTCCATCGCTGCCTTCTGCACCTTCTCGTGTGGCCATCAGCCGGCAT<br/>         CAGAGCCTCAGACCCACCAGCTACTACCTCTCCAGCGTCTGGAGCTTCATTTCTTTC<br/>         AAGTGGGCTTCTGCTCAGCCTCTATGCCACCGCTACCGGGCTGACTTTGCTGACATC<br/>         AGCATCTCAGCGATTTCTGA</p> <p>Clone variation with respect to NM_017842.2</p>                                                                  |
| 5' Read Nucleotide Sequence: | <p>&gt;OriGene 5' read for NM_017842 unedited</p> <p>CACCAGAACTCTCGGCCGCTCGCCCTCGGCCCGCCGGCGCCGAGCCCCATGGCCCC<br/>         GTCCAGGCTGCAGCTCGGCCTCCGCGCCGCTACTCCGGCATCAGCTCCGTGGCCGGCTT<br/>         CTCCATCTTCTCGTCTGGACGGTGGTCTACCGACAGCCGGGACCGCGCCATGGGAGG<br/>         GCTCGCAGGGGTGCTGGCACTGTGGTCTGTTGACGCACGTGATGTACATGCAAGATTA<br/>         TTGGAGGACCTGGCTCAAGGGGCTGCGCGGCTTCTTCTCGTGGGCGTCTCTTCTCGGC<br/>         CGTCTCCATCGCTGCCTTCTGCACCTTCTCGTGTGGCCATCAGCCGGCATCAGAGCCT<br/>         CACAGACCCACCAGCTACTACCTCTCCAGCGTCTGGAGCTTCATTTCTTCAAGTGGGC<br/>         CTTCCTGCTCAGCCTCTATGCCACCGCTACCGGGCTGACTNTGCTGACATCAGCATCCT<br/>         CAGCGATTTCTGACCCAGGNGGTGAGGTCTCTGCACCTGGGGGGGCTTAGGACCTGG<br/>         ACTCAGCCTCTGAGATGTTGGGAGAGGCTACTCCACCCCTGGTGACCCCA</p> |
| Restriction Sites:           | NotI-NotI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| ACCN:                        | NM_017842                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |


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| <b>Insert Size:</b>           | 2500 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>OTI Disclaimer:</b>        | 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).                                                                                                                                                                          |
| <b>Components:</b>            | 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).                                                                                                                                                                                                                                                                                                                                    |
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol> |
| <b>RefSeq:</b>                | <u><a href="#">NM_017842.1</a></u> , <u><a href="#">NP_060312.1</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>RefSeq Size:</b>           | 1950 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>RefSeq ORF:</b>            | 720 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Locus ID:</b>              | 55652                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>UniProt ID:</b>            | <u><a href="#">Q6P1K1</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Cytogenetics:</b>          | 12q13.11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Protein Families:</b>      | Transmembrane                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Gene Summary:</b>          | Heme transporter that regulates intracellular heme availability through the endosomal or lysosomal compartment.[UniProtKB/Swiss-Prot Function]                                                                                                                                                                                                                                                                                                                                                                          |