

# Recombinant Human SLC31A1 protein, GST-tagged

**Cat. No.** SLC31A1-6745H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human SLC31A1 protein(1-70 aa), fused with N-terminal GST tag, was expressed in E. coli.                                                                                                                                                                                                                                                                                         |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Source</b>           | E. coli                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>ProteinLength</b>    | 1-70 aa                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Form</b>             | The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na <sub>2</sub> HPO <sub>4</sub> , 17 mM NaH <sub>2</sub> PO <sub>4</sub> , 68 mM NaCl, pH 8.0). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 100 mM reduced glutathione (GSH). |
| <b>AASequence</b>       | MDHSHHMGMSYMDSNSTMQPSHHHPTTSASHSHGGGDSSMMMMPMTFYFGFKN<br>VELLFSGLVINTAGEMA                                                                                                                                                                                                                                                                                                                   |
| <b>Purity</b>           | 85%, by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Storage</b>          | Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.                                                                                                                                                                                        |
| <b>Reconstitution</b>   | It is recommended that sterile water be added to the vial to prepare a stock solution of                                                                                                                                                                                                                                                                                                     |

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0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## GENE INFORMATION

**Gene Name** SLC31A1 solute carrier family 31 (copper transporters), member 1 [ Homo sapiens ]

**Official Symbol** SLC31A1

**Synonyms** SLC31A1; solute carrier family 31 (copper transporters), member 1; COPT1; high affinity copper uptake protein 1; copper transport 1 homolog (S. cerevisiae); CTR1; hCTR1; copper transporter 1; copper transport 1 homolog; solute carrier family 31 member 1; MGC75487;

**mRNA Refseq** NM\_001859

**Protein Refseq** NP\_001850

**MIM** 603085

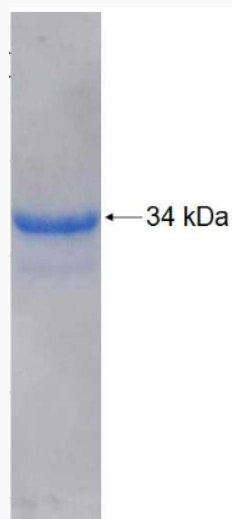
**UniProt ID** O15431

**Gene ID** 1317

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**SDS-PAGE**

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