

Recombinant Human SLC31A1 protein, GST-tagged

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

SPECIFICATION

Product Overview	Recombinant Human SLC31A1 protein(1-70 aa), fused with N-terminal GST tag, was expressed in E. coli.
Species	Human
Source	E. coli
ProteinLength	1-70 aa
Form	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na ₂ HPO ₄ , 17 mM NaH ₂ PO ₄ , 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).
AASequence	MDHSHHMGMSYMDSNSTMQPSHHHPTTSASHSHGGGDSSMMMMPMTFYFGFKN VELLFSGLVINTAGEMA
Purity	85%, by SDS-PAGE.
Storage	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.
Reconstitution	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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