

Recombinant Human SLC11A1 Protein (T2-G550), 8×His-MBP, Flag tagged

Cat. No. SLC11A1-0391H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human 8His-MBP-TEV-(GG)-SLC11A1(T2-G550)-Flag Protein was expressed in Insect cell.
Species	Human
Source	Insect Cells
ProteinLength	T2-G550
Description	Divalent transition metal (iron and manganese) transporter involved in iron metabolism and host resistance to certain pathogens. Macrophage-specific membrane transport function. Controls natural resistance to infection with intracellular parasites. Pathogen resistance involves sequestration of Fe(2+) and Mn(2+), cofactors of both prokaryotic and eukaryotic catalases and superoxide dismutases, not only to protect the macrophage against its own generation of reactive oxygen species, but to deny the cations to the pathogen for synthesis of its protective enzymes.
Form	Liquid
Endotoxin	< 0.01 EU per µg of the protein
Purity	90%

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Stability	Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade.
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	50 mM Tris-HCl (pH7.5), 200 mM NaCl, 20% glycerol
Shipping	It is shipped out with blue ice.

GENE INFORMATION

Gene Name	SLC11A1 solute carrier family 11 (proton-coupled divalent metal ion transporters), member 1 [Homo sapiens (human)]
Official Symbol	SLC11A1
Synonyms	SLC11A1; solute carrier family 11 (proton-coupled divalent metal ion transporters), member 1; LSH, NRAMP, NRAMP1; natural resistance-associated macrophage protein 1; natural resistance associated macrophage protein 1; NRAMP 1; solute carrier family 11 (sodium/phosphate symporters), member 1; LSH; NRAMP; NRAMP1;
Gene ID	6556
mRNA Refseq	NM_000578
Protein Refseq	NP_000569
MIM	600266

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UniProt ID

P49279

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