Recombinant Human SLC11A2 Protein (V2-R568), 8×His-MBP, Flag tagged

Cat. No. SLC11A2-0560H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human 8His-MBP-TEV-(GG)-SLC11A2(V2-R568)-Flag Protein was expressed in Insect cell.
Species	Human
Source	Insect Cells
ProteinLength	V2-R568
Description	Important in metal transport, in particular iron. Can also transport manganese, cobalt, cadmium, nickel, vanadium and lead. Involved in apical iron uptake into duodenal enterocytes. Involved in iron transport from acidified endosomes into the cytoplasm of erythroid precursor cells. May play an important role in hepatic iron accumulation and tissue iron distribution. May serve to import iron into the mitochondria.
Form	Liquid
Endotoxin	< 0.01 EU per μg of the protein
Purity	90%
Stability	Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade.

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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	SLC11A2 solute carrier family 11 (proton-coupled divalent metal ion transporters), member 2 [Homo sapiens (human)]
Official Symbol	SLC11A2
Synonyms	SLC11A2; solute carrier family 11 (proton-coupled divalent metal ion transporters), member 2; NRAMP2; natural resistance-associated macrophage protein 2; DCT1; DMT1; DMT-1; NRAMP 2; divalent cation transporter 1; FLJ37416;
Gene ID	4891
mRNA Refseq	NM_000617
Protein Refseq	NP_000608
MIM	600523
UniProt ID	P49281

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