

Recombinant Human SLC40A1 Protein (T2-V571), 8×His-MBP, Flag tagged

Cat. No. SLC40A1-0628H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human 8His-MBP-TEV-(GG)-SLC40A1(T2-V571 end)-Flag Protein was expressed in Insect cell.
Species	Human
Source	Insect Cells
ProteinLength	T2-V571
Description	Major iron transporter that plays a key role in balancing cellular and systemic iron levels. Transports iron from intestinal, splenic, and hepatic cells into the blood to provide iron to other tissues. Controls therefore dietary iron uptake, iron recycling by macrophages, and release of iron stores in hepatocytes. When iron is in excess, hepcidin/HAMP levels increase resulting in a degradation of ferroportin/SLC40A1 limiting the iron efflux to plasma.
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	Formulation:
Shipping	It is shipped out with blue ice.
GENE INFORMATION	
Gene Name	SLC40A1 solute carrier family 40 (iron-regulated transporter), member 1 [Homo sapiens (human)]
Official Symbol	SLC40A1
Synonyms	SLC40A1; solute carrier family 40 (iron-regulated transporter), member 1; SLC11A3, solute carrier family 11 (proton coupled divalent metal ion transporters), member 3; solute carrier family 40 member 1; ferroportin 1; FPN1; HFE4; IREG1; MTP1; ferroportin-1; iron regulated gene 1; iron-regulated transporter 1; putative ferroportin 1 variant IIIB; solute carrier family 11 (proton-coupled divalent metal ion transporters), member 3; MST079; MSTP079; SLC11A3;
Gene ID	30061
mRNA Refseq	NM_014585
Protein Refseq	NP_055400
MIM	604653
UniProt ID	Q9NP59