

Native Human Solute Carrier Family 40 (iron-regulated transporter), Member 1

Cat. No. SLC40A1-5335H Lot. No. (See product label)

SPECIFICATION

Product Overview	Native human SLC40A1 expressed by Human spleen is a 440 kDa protein.
Species	Human
Source	Human Spleen
Description	SLC40A1 is a transmembrane protein that transports iron from the inside of a cell to the outside of it. It is found on the surface of cells that store or transport iron, including: Enterocytes in the duodenum; Hepatocytes; Macrophages of the reticuloendothelial system.
Form	Liquid in a sodium chloride buffer, pH 7.5.
Molecular Weight	440 kDa
Concentration	Typically > 0.5mg/ml
Purity	≥ 96% by electrophoresis.
Storage	When stored at 2-4°C, product is stable for 3 years from date of receipt.
Official Symbol	SLC40A1

GENE INFORMATION

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Gene Name	SLC40A1 solute carrier family40 (iron-regulated transporter), member 1 [Homo sapiens]
Synonyms	SLC40A1; solutecarrier family 40 (iron-regulated transporter), member 1; FPN1;HFE4; MTP1; IREG1; MST079; MSTP079; SLC11A3; solute carrier family 40 member1; ferroportin 1; ferroportin-1; OTTHUMP00000163497; iron regulated gene 1; iron-regulatedtransporter 1; putative ferroportin 1 variant IIIB; solute carrier family 11(proton-coupled divalent metal ion transporters), member 3
Gene ID	30061
mRNA Refseq	NM_014585
Protein Refseq	NP_055400
MIM	604653
UniProt ID	Q9NP59
Chromosome Location	2q32
Pathway	Iron uptake andtransport; Metal ion SLC transporters; Mineral absorption; SLC-mediatedtransmembrane transport; Transmembrane transport of small molecules;Transport of glucose and other sugars
Function	iron iontransmembrane transporter activity; protein binding