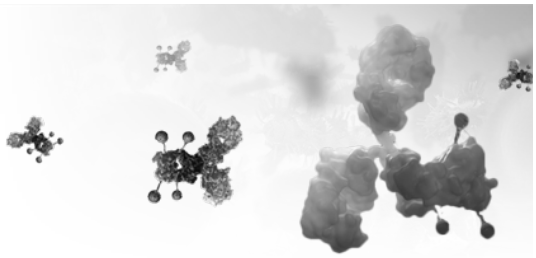

Human SLC40A1 peptide (DAG-P1983)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	The protein encoded by this gene is a cell membrane protein that may be involved in iron export from duodenal epithelial cells. Defects in this gene are a cause of hemochromatosis type 4 (HFE4). [provided by RefSeq, Jul 2008]
Specificity	Expressed in placenta, intestine, muscle and spleen.
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the SLC40A transporter family.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

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; FPN1; HFE4; MTP1; IREG1; MST079; MSTP079; SLC11A3; solute carrier family 40 member 1; iron regulated gene 1; putative ferroportin 1 variant IIIA; putative ferroportin 1 variant IIIB; solute carrier family 11 (proton-coupled divalent metal ion transporters), member 3;

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Entrez Gene ID	30061
mRNA Refseq	NM_014585.5
Protein Refseq	NP_055400.1
UniProt ID	Q9NP59
Chromosome Location	2q32
Pathway	Iron metabolism in placenta, organism-specific biosystem; Iron uptake and transport, organism-specific biosystem; Metal ion SLC transporters, organism-specific biosystem; Mineral absorption, organism-specific biosystem; Mineral absorption, conserved biosystem; SLC-mediated transmembrane transport, organism-specific biosystem; Transmembrane transport of small molecules, organism-specific biosystem; Transport of glucose and other sugars, bile salts and organic acids, metal ions and amine compounds
Function	iron ion transmembrane transporter activity; protein binding;

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