Recombinant Human SLC11A1 cell lysate

Cat. No. SLC11A1-1614HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Description	This gene is a member of the solute carrier family 11 (proton-coupled divalent metal ion transporters) family and encodes a multi-pass membrane protein. The protein functions as a divalent transition metal (iron and manganese) transporter involved in iron metabolism and host resistance to certain pathogens. Mutations in this gene have been associated with susceptibility to infectious diseases such as tuberculosis and leprosy, and inflammatory diseases such as rheumatoid arthritis and Crohn disease. Alternatively spliced variants that encode different protein isoforms have been described but the full-length nature of only one has been determined.
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

GENE INFORMATION

Gene Name	SLC11A1 solute carrier family 11 (proton-coupled divalent metal ion transporters), member 1 [Homo sapiens]

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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
UniProt ID	P49279
Chromosome Location	2q35
Pathway	Lysosome, organism-specific biosystem; Lysosome, conserved 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;
Function	manganese ion transmembrane transporter activity; metal ion:hydrogen antiporter activity; molecular_function; protein homodimerization activity; transition metal ion transmembrane transporter activity; transporter activity;

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