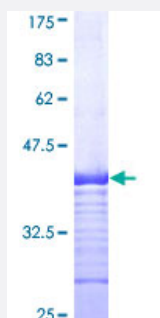


SLC11A2 (Human) Recombinant Protein (Q01)

Catalog # H00004891-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human SLC11A2 partial ORF (NP_000608, 1 a.a. - 65 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MVLGPEQKMSDDSVSGDHGESASLGNINPAYSNPSLSQSPGDSEEYFATYFNEKISIPEEEEYSCF
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	32.89
Interspecies Antigen Sequence	Mouse (75); Rat (75)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — SLC11A2

Entrez GeneID	4891
GeneBank Accession#	NM_000617
Protein Accession#	NP_000608
Gene Name	SLC11A2
Gene Alias	DCT1, DMT1, FLJ37416, NRAMP2
Gene Description	solute carrier family 11 (proton-coupled divalent metal ion transporters), member 2
Omim ID	206100 600523
Gene Ontology	Hyperlink
Gene Summary	The SLC11A2 gene encodes a divalent metal transporter (DMT1), which carries iron, manganese, cobalt, nickel, cadmium, lead, copper, and zinc. DMT1 participates in cellular iron absorption at the luminal surface of the duodenum as well as in other areas of the body (Hubert and Hentze, 2002 [PubMed 12209011]; Ludwiczek et al., 2007 [PubMed 17293870]).[supplied by OMIM]
Other Designations	natural resistance-associated macrophage protein 2

Pathway

- [Lysosome](#)

Disease

- [Abortion](#)
- [Alzheimer disease](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hemochromatosis](#)
- [Hereditary hemochromatosis](#)
- [Iron Overload](#)
- [Tobacco Use Disorder](#)
- [Tuberculosis](#)