

Recombinant Mouse Slc40a1 Protein, His-tagged, OVA Conjugated

Cat. No. Slc40a1-2841M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	OVA Conjugated Recombinant Mouse Slc40a1 Protein (Leu249-Leu265) fused with a N-His tag.
Species	Mouse
Source	Protein Conjugation
ProteinLength	Leu249-Leu265
Description	Enables ferrous iron transmembrane transporter activity; identical protein binding activity; and peptide hormone binding activity. Involved in iron ion export across plasma membrane. Acts upstream of or within several processes, including multicellular organismal iron ion homeostasis; regulation of transcription by RNA polymerase II; and spleen trabecula formation. Located in basolateral plasma membrane and synaptic vesicle. Is expressed in several structures, including central nervous system; extraembryonic component; genitourinary system; gut; and hemolymphoid system gland. Used to study hemochromatosis type 4. Human ortholog(s) of this gene implicated in hemochromatosis type 4. Orthologous to human SLC40A1 (solute carrier family 40 member 1).
Form	Freeze-dried powder
Purity	> 90%

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Applications	Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.
Conjugation	OVA

GENE INFORMATION

Gene Name	Slc40a1 solute carrier family 40 (iron-regulated transporter), member 1 [Mus musculus (house mouse)]
Official Symbol	Slc40a1
Synonyms	Slc40a1; solute carrier family 40 (iron-regulated transporter), member 1; MTP; OI5; Pcm; Dug; Fpn1; MTP1; IREG1; Slc11a3; Slc39a1; solute carrier family 40 member 1; SLC11A3 iron transporter; duodenal-specific; ferroportin 1; ferroportin1; iron-regulated transporter 1; metal transporter protein 1; metal transporting protein 1; polycythaemia; solute carrier family 11 (proton-coupled divalent metal ion transporters), member 3; solute carrier family 39 (iron-regulated transporter), member 1

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Gene ID	53945
mRNA Refseq	NM_016917
Protein Refseq	NP_058613
UniProt ID	Q9JHI9

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA