

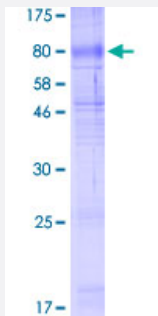
Full-Length

SLC40A1 (Human) Recombinant Protein (P01)

Catalog # H00030061-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human SLC40A1 full-length ORF (NP_055400.1, 1 a.a. - 571 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MTRAGDHNRRQGCCGSLADYLTSAKFLLYLGHSLSTWGD RMWHFAVSVFLVELYGNLLLLTAVY
GLVVAGSVLVLGAIIGDWVDKNARLKVAQTSLVVQNVSVILCGIILMMVFLHKHELLTMYHGWVLT
CYLIITIANIANLASTATAITIQRDWV VAGEDRSKLANMNATIRRIDQLTNILAPMAVGQIMTFGSPVI
GCGFISGWNLVSMCVEYVLLWKVYQKTPALAVKAGLKEEETELKQLNLHKDTEPKPLEGTHLMG
VKDSNIHELEHEQEPTCASQMAEPFRTRFDGWVSYNQPVFLAGMGLAFLYMTVLGFDCITTGYA
YTQGLSGSILSMGASAITGIMGTVAFTWLRRKCGLVRTGLISGLAQLSCLILCVISVFMPGSPDLDS
VSPFEDIRSRFIQGESITPTKIPEITTEIYMSNGSNSANVPETSPESVPIISVSLLFAGVIAARIGLWSF
DLTVTQLLQENVIESERGIINGVQNSMNYLLDLLHFIMVILAPNPEAFGLLVLSVSFVAMGHIMYFRF
AQNTLGNKLFACGPDAKEVRKENQANTSVV

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

88.9

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 — SLC40A1

Entrez GeneID[30061](#)**GeneBank Accession#**[NM_014585.3](#)**Protein Accession#**[NP_055400.1](#)**Gene Name**

SLC40A1

Gene Alias

FPN1, HFE4, IREG1, MST079, MSTP079, MTP1, SLC11A3

Gene Description

solute carrier family 40 (iron-regulated transporter), member 1

Omim ID[604653](#) [606069](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

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]

Other Designations

ferroportin 1|iron regulated gene 1|putative ferroportin 1 variant III|solute carrier family 11 (proton-coupled divalent metal ion transporters), member 3

Disease

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- [Breast Neoplasms](#)
- [Cystic fibrosis](#)
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- [Hemochromatosis](#)
- [Hepatitis C](#)
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