Recombinant Human SLC46A1 Protein (E2-P459), 8×His-MBP, Flag tagged

Cat. No. SLC46A1-0916H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human 8His-MBP-TEV-(GG)-SLC46A1(E2-P459)-Flag Protein was expressed in Insect cell.
Species	Human
Source	Insect Cells
ProteinLength	E2-P459
Description	Proton-coupled high-affinity folate and heme transporter that plays an essential role in iron metabolism. Acts as the main importer of heme in the intestine. Imports also heme in the retina and retinal pigment epithelium, in neurons of the hippocampus, and in the renal epithelial cells. Participates therefore in the trafficking of heme and increases intracellular iron content. Mediates also intestinal absorption of folates and their transport from blood to cerebrospinal fluid across the choroid plexus.
Form	Liquid
Endotoxin	< 0.01 EU per μg of the protein
Purity	90%
Stability	Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade.

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Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	Formulation:
Shipping	It is shipped out with blue ice.

GENE INFORMATION

Gene Name	SLC46A1 solute carrier family 46 (folate transporter), member 1 [Homo sapiens (human)]
Official Symbol	SLC46A1
Synonyms	SLC46A1; solute carrier family 46 (folate transporter), member 1; solute carrier family 46, member 1; proton-coupled folate transporter; HCP1; heme carrier protein 1; MGC9564; PCFT; proton coupled folate transporter; G21; PCFT/HCP1; solute carrier family 46 member 1; FLJ39875;
Gene ID	113235
mRNA Refseq	NM_001242366
Protein Refseq	NP_001229295
MIM	611672
UniProt ID	Q96NT5

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