

Recombinant Full Length Human SLC39A8 Protein, GST-tagged

Cat. No. SLC39A8-6817HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SLC39A8 Full-Length ORF Protein (1-460 aa) is produced by Wheat Germ (in vitro) expression system. This protein is fused with a GST tag at the N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	460 amino acids
Description	This gene encodes a member of the SLC39 family of solute-carrier genes, which show structural characteristics of zinc transporters. The encoded protein is glycosylated and found in the plasma membrane and mitochondria, and functions in the cellular import of zinc at the onset of inflammation. It is also thought to be the primary transporter of the toxic cation cadmium, which is found in cigarette smoke. Multiple transcript variants encoding different isoforms have been found for this gene. Additional alternatively spliced transcript variants of this gene have been described, but their Full-Length nature is not known.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	76 kDa
AA Sequence	MAPGRAVAGLLLLAAAGLGGVAEGPGLAFSEDVLSVFGANLSLSAAQLQHLLLEQMG

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AASRVGVPEPGQLHFNQCLTAEEIFSLHGFSNATQITSSKFSVICPAVLQQLNFHPCE
 DRPKHKTRPSHSEVWGYGFLSVTIINLASLLGLILTPLIKKSYFPKILTFVGLAIGTLFS
 NAIFQLIPEAFGFDPKVDSYVEKAVAVFGGFYLLFFFERMLKMLLKTYGQNGHTHFG
 NDNFGPQEKTHQPKALPAINGVTTCYANPAVTEANGHIHFDNVSVVSLQDGKKEPSS
 CTCLKGPKLSEIGTIAWMITLCDALHNFIDGLAIGASCTLSLLQGLSTSIALLCEEFPHEL
 GDFVILLNAGMSTRQALLFNFLSACSCYVGLAFGILVGNNFAPNIIFALAGGMFLYISL
 ADMFPEMNDMLREKVTGRKTDFTFFMIQNAGMLTGFTAILLITLYAGEIELE

Applications

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

Notes

Best use within three months from the date of receipt of this protein

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name

SLC39A8 solute carrier family 39 (zinc transporter), member 8 [Homo sapiens]

Official Symbol

SLC39A8

Synonyms

SLC39A8; BIGM103; ZIP-8; ZIP8; PP3105; LZT-Hs6;

Gene ID

64116

mRNA Refseq

NM_001135146

Protein Refseq

NP_001128618

MIM

608732

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UniProt ID

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