Recombinant Full Length Human SLC39A12 Protein, GST-tagged

Cat. No. SLC39A12-6824HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SLC39A12 Full-Length ORF Protein is produced by Wheat Germ (in vitro) expression system.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	235 amino acids
Description	Zinc is an essential cofactor for hundreds of enzymes. It is involved in protein, nucleic acid, carbohydrate, and lipid metabolism, as well as in the control of gene transcription, growth, development, and differentiation. SLC39A12 belongs to a subfamily of proteins that show structural characteristics of zinc transporters (Taylor and Nicholson, 2003 [PubMed 12659941]).
Form	Liquid, 25 mM Tris-HCl of pH8.0 containing 2% glycerol.
Molecular Mass	76.1 kDa
AA Sequence	MCFRTKLSVSWVPLFLLLSRVFSTETDKPSAQDSRSRGSSGQPADLLQVLSAGDHP PHNHSRSLIKTLLEKTGCPRRRNGMQGDCNLCFEPDALLLIAGGNFEDQLREEVVQ RVSLLLLYYIIHQEEICSSKLNMSNKEYKFYLHSLLSLRQDEDSSFLSQNETEDILAFT RQYFDTSQSQCMETKTLQKKSGIVSSEGANESTLPQLAAMIITLSLQGVCLGQGNLP SPDYFTEYIFSSLNRTNTLRLSELDQLLNTLWTRSTCIKNEKIHQFQRKQNNIITHDQD

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	YSNFSSSMEKESEDGPVSWDQTCFSARQLVEIFLQKGLSLISKEDFKQMSPGIIQQL LSCSCHLPKDQQAKLPPTTLEKYGYSTVAVTLLTLGSMLGTALVLFHSCEENYRLILQ LFVGLAVGTLSGDALLHLIPQVLGLHKQEAPEFGHFHESKGHIWKLMGLIGGIHGFFLI EKCFILLVSPNDKQGLSLVNGHVGHSHHLALNSELSDQAGRGKSASTIQLKSPEDSQ AAEMPIGSMTASNRKCKAISLLAIMILVGDSLHNFADGLAIGAAFSSSSESGVTTTIAIL CHEIPHEMGDFAVLLSSGLSMKTAILMNFISSLTAFMGLYIGLSVSADPCVQDWIFTV TAGMFLYLSLVEMLPEMTHVQTQRPWMMFLLQNFGLILGWLSLLLLAIYEQNIKI	
Applications	Antibody Production
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	SLC39A12 solute carrier family 39 (zinc transporter), member 12 [Homo sapiens]
Official Symbol	SLC39A12
Synonyms	SLC39A12; FLJ30499; ZIP-12; LZT-Hs8; bA570F3.1; MGC43205; MGC51099;
Gene ID	221074
mRNA Refseq	NM_001145195
Protein Refseq	NP_001138667
MIM	608734
UniProt ID	Q504Y0

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