

Recombinant Human SLC39A12 Protein

Cat. No. SLC39A12-678H **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	Wheat Germ
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 PHNHSRSLIKTLLEKTGCPRRRNGMQGDCNLCFEPDALLIAGGNFEDQLREEVVQ RVSLLLLYYIIHQEEICSSKLNMSNKEYKFYLHSLLSLRQDEDSSFLSQNETEDILAF RQYFDTSQSQCMEKTLQKKSGIVSSEGANESTLPQLAAMIITLSLQGVCLGQGNLP SPDYFTEYIFSSLNRTNTLRLSELDQLLNTLWTRSTCIKNEKIHQFQRKQNNIITHDQD YSNFSSSMEKESEDGPVSWDQTCFSARQLVEIFLQKGLSLISKEDFKQMSPGIIQQL LSCSCHLPKDQQAALPPTTLEKYGYSTVAVTLLTLGSM LGTALVLFHSCEENYRLILQ LFVGLAVGTLSGDALLHLIPQVLGLHKQEAPFEGHFHESKGHIWKLMLGIGGIHGFFLI

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EKCFILLVSPNDKQGLSLVNGHVGHSHHLALNSELSAQAGRGKSASTIQLKSPEDSQ
AAEMPIGSMTASNRKCKAISLLAIMILVGDSLHNFADGLAIGAAFSSSSSESGVTTTIAIL
CHEIPHEMGDFAVLLSSGLSMKTAILMNFISLTAFMGLYIGLSVSADPCVQDWIFTV
TAGMFLYLSLVEMLPEMTHVQTQRPWMMFLLQNFGILGWLSLLLLAIYEQNIKI

Applications

Antibody Production

Usage

Heating may cause protein aggregation. Please do not heat this product before electrophoresis.

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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