

Recombinant Full Length Human SLC39A7 Protein, GST-tagged

Cat. No. SLC39A7-6804HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SLC39A7 Full-Length ORF Protein (1-469 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
Protein Length	469 amino acids
Description	Zinc is an essential cofactor for more than 50 classes 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. Zinc cannot passively diffuse across cell membranes and requires specific transporters, such as SLC39A7, to enter the cytosol from both the extracellular environment and from intracellular storage compartments.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	77.11 kDa
AA Sequence	MARGLGAPHWVAVGLLTWATLGLLVAGLGGHDDLHDDLQEDFHGHSHRHSHEDF HHGHSHAHGHHGHTHESIWHGHTHDHDHGHSHEDLHHGHSHGYSHESLYHRGHG HDHEHSHGGYGESGAPGIKQDLDAVTLWAYALGATVLISAAPFFVLFLIPVESNSPR

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HRSLLQILLSFASGGLLGDAFLHLIPHAPHSHHTLEQPGHGHSHSGQGPILSVGL
 WVLSGIVAFLVVEKFVRHVKGGGHGHSHGHGHAHSHTRGSHGHGRQERSTKEKQS
 SEEEEKETRGVQKRRGGSTVPKDGVPVRPQNAEEEEKRGLDLRVSGYLNLAADLAHN
 FTDGLAIGASFRGGRLGILTTMTVLLHEVPHEVGDFAILVQSGCSKKQAMRLQLLT
 AVGALAGTACALLTEGGAVGSEIAGGAGPGWVLPFTAGGFIYVATVSVLPELLREAS
 PLQSLLEVLGLLGGVIMMVLIAHLE

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

SLC39A7 solute carrier family 39 (zinc transporter), member 7 [Homo sapiens]

Official Symbol

SLC39A7

Synonyms

SLC39A7; D6S2244E; H2 KE4; KE4; RING5; ZIP7; HKE4; H2-KE4; D6S115E;

Gene ID

7922

mRNA Refseq

NM_001077516

Protein Refseq

NP_001070984

MIM

601416

UniProt ID

Q92504

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