

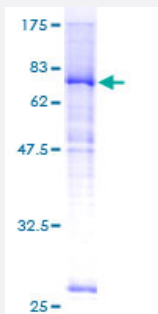
Full-Length

SLC39A7 (Human) Recombinant Protein (P02)

Catalog # H00007922-P02

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human SLC39A7 full-length ORF (AAH00645, 1 a.a. - 469 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MARGLGAPHWVAVGLL TWATLGLLVAGLGGHDDLHDDLQEDFHGHSHRSHSHEDFHHGHSHAH
GHGHTHESWGHGTHDHDHGHSHEDLHHGHSHGYSHESLYHRGHGHDHEHSHGGYGESGAPGI
KQDLDAVTLWAYALGATVLISAAPFFVLFLIPVESNSPRHRSLLQILLSFASGGLLGDAFLHLIPHAL
EPHSHHTLEQPGHGHSHSGQGPILSVGLWVLSGNAFLVVEKFVRHVKGHGHSHGHGHAHSHT
RGSHTGHGRQERSTKEKQSSEEEKE TRGVQKRRGGSTVPKDGVPVRPQNAEEEEKRGLDLRVSG
YLNLAADLAHNFTDGLAIGASFRGGRGLGILTTMTVLLHEVPHEVGDFAILVQSGCSKKQAMRLQL
LTAVGALAGTACALLTEGGAVGSEIAGGAGPGWVLPFTAGGFIVATVSVLPELLREASPLQSLLE
VLGLLGGVIMMVLIAHLE

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

77.11

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

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

Note

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

Applications

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

Gene Info — SLC39A7

Entrez GeneID[7922](#)**GeneBank Accession#**[BC000645](#)**Protein Accession#**[AAH00645](#)**Gene Name**

SLC39A7

Gene Alias

D6S115E, D6S2244E, H2-KE4, HKE4, KE4, RING5, ZIP7

Gene Description

solute carrier family 39 (zinc transporter), member 7

Omim ID[601416](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

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.[supplied by OMIM]

Other Designations

HLA class II region expressed gene KE4|Ke4 gene, mouse, human homolog of|OTTHUMP0000029348|OTTHUMP00000029349|solute carrier family 39, member 7

Disease

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