

## Recombinant Human SLC39A6 protein, His-tagged

Cat. No. SLC39A6-1215H    Lot. No. (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human SLC39A6 aa. (Phe29~Trp325 fused with N-terminal His tag was produced in E. coli cells.                                                                                                                                                                                                                                                                            |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                              |
| <b>ProteinLength</b>    | Phe29~Trp325                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Description</b>      | 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. SLC39A6 belongs to a subfamily of proteins that show structural characteristics of zinc transporters (Taylor and Nicholson, 2003 [PubMed 12659941]). |
| <b>Form</b>             | Freeze-dried powder                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Molecular Mass</b>   | 42kDa as determined by SDS-PAGE reducing conditions.                                                                                                                                                                                                                                                                                                                                |
| <b>Endotoxin</b>        | <1.0EU per 1g (determined by the LAL method)                                                                                                                                                                                                                                                                                                                                        |
| <b>Purity</b>           | >98%                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Characteristic</b>   | The isoelectric point is 7.3.                                                                                                                                                                                                                                                                                                                                                       |

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|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Applications</b>   | Positive Control; Immunogen; SDS-PAGE; WB.                                                                                                                                                                                                                                                                                          |
| <b>Stability</b>      | The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition. |
| <b>Storage</b>        | Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.                                                                                                                                                                                                                          |
| <b>Concentration</b>  | 200µg/mL                                                                                                                                                                                                                                                                                                                            |
| <b>Storage buffer</b> | 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% Trehalose and Proclin300.                                                                                                                                                                                                                            |
| <b>Reconstitution</b> | Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0mg/mL. Do not vortex.                                                                                                                                                                                                                                    |

## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                                                                            |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | SLC39A6 solute carrier family 39 member 6 [ Homo sapiens (human) ]                                                                                                                                                                                                                                         |
| <b>Official Symbol</b> | SLC39A6                                                                                                                                                                                                                                                                                                    |
| <b>Synonyms</b>        | SLC39A6; solute carrier family 39 member 6; ZIP6; LIV-1; zinc transporter ZIP6; LIV-1 protein, estrogen regulated; ZIP-6; estrogen-regulated protein LIV-1; solute carrier family 39 (metal ion transporter), member 6; solute carrier family 39 (zinc transporter), member 6; zrt- and Irt-like protein 6 |
| <b>Gene ID</b>         | 25800                                                                                                                                                                                                                                                                                                      |

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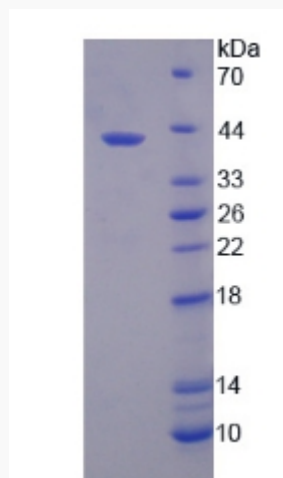
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mRNA Refseq [NM\\_001099406.1](#)

Protein Refseq [NP\\_001092876.1](#)

UniProt ID [Q13433](#)

SDS-PAGE



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