

# Recombinant Human SLC39A7 Protein, His-tagged

**Cat. No.** SLC39A7-2697H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                          |
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| <b>Product Overview</b> | Recombinant Human SLC39A7 Protein (Ile171-Glu469) with a N-His tag was expressed in E. coli.                                                                                                                                                                                                                                                                                                             |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>ProteinLength</b>    | Ile171-Glu469                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Description</b>      | The protein encoded by this gene transports zinc from the Golgi and endoplasmic reticulum to the cytoplasm. This transport may be important for activation of tyrosine kinases, some of which could be involved in cancer progression. Therefore, modulation of the encoded protein could be useful as a therapeutic agent against cancer. Alternative splicing results in multiple transcript variants. |
| <b>Form</b>             | Freeze-dried powder                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Molecular Mass</b>   | Predicted Molecular Mass: 35.1 kDa<br>Accurate Molecular Mass: 35&18 kDa                                                                                                                                                                                                                                                                                                                                 |
| <b>Endotoxin</b>        | <1.0 EU per 1g (determined by the LAL method).                                                                                                                                                                                                                                                                                                                                                           |
| <b>Purity</b>           | > 90%                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Applications</b>     | Positive Control; Immunogen; SDS-PAGE; WB.                                                                                                                                                                                                                                                                                                                                                               |

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| <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 centigrade 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 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.                                                                                                                                                                                                                                                                 |
| <b>Storage Buffer</b>   | PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.                                                                                                                                                                                                                                                                                                                      |
| <b>Reconstitution</b>   | Reconstitute in PBS or others.                                                                                                                                                                                                                                                                                                                                                               |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Gene Name</b>        | SLC39A7 solute carrier family 39 (zinc transporter), member 7 [ Homo sapiens (human) ]                                                                                                                                                                                                                                                                                                       |
| <b>Official Symbol</b>  | SLC39A7                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Synonyms</b>         | SLC39A7; solute carrier family 39 (zinc transporter), member 7; HKE4, HLA class II region expressed gene KE4; zinc transporter SLC39A7; D6S2244E; H2 KE4; KE4; RING5; ZIP7; Ke4 gene, mouse, human homolog of; solute carrier family 39 member 7; histidine-rich membrane protein Ke4; really interesting new gene 5 protein; HLA class II region expressed gene KE4; HKE4; H2-KE4; D6S115E; |
| <b>Gene ID</b>          | 7922                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>mRNA Refseq</b>      | NM_001077516                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Protein Refseq</b>   | NP_001070984                                                                                                                                                                                                                                                                                                                                                                                 |

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| MIM | 601416 |
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| UniProt ID | Q92504 |
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