

SLC30A8 Protein, Mouse, Recombinant (His)

General Information

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| Synonyms: | Zinc transporter 8 (ZnT-8);Slc30a8;Proton-coupled zinc antiporter SLC30A8;Znt8;Solute carrier family 30 member 8 |
| Protein Construction: | 1-367 aa |
| Species: | Mouse |
| Expression Host: | E. coli |
| Accession: | Q8BGG0 |
| Molecular Weight: | 43.0 kDa (predicted) |
| AA Sequence: | MEFLERTYLVNDQATKMYAFPLDREL RQKPVNKDQCPGDRPEHPEAGGIYHCHNSAKATGNRSSKQAHAK WRLCAASAICFIFMVAEVVGGHVAGSLAILTDAAHLLIDLTSLFLSLFSLWLSSRPPSKRLTFGWYRAEILGALLS VLCIWVVTGVLLYLACERLLYPDYQIQAGIMITVSGCAVAANIVLTMLHQNRNFGYNHKDVQANASVRAAFVH ALGDVFQSI SVLISALIIYFKPDYKIADPVCTFIFSILVLASTVMILKDFSILLMEGVKGLSYNSVKEIILAVDGVISV HSLHIWSLTVNQVILSVHVATAASQDSQSVRTGIAQALSSFDLHSLTIQIESAADQDPSCLLCEDPQD |

QC Testing

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| Biological Activity: | Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first. |
| Purity: | > 85% as determined by SDS-PAGE. |
| Endotoxin: | < 1.0 EU/μg of the protein as determined by the LAL method. |
| Formulation: | If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0. |

Preparation and Storage

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| Reconstitution: | Reconstitute the lyophilized protein in sterile deionized water. The product concentration should not be less than 100 μg/mL. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing. |
| Stability & Storage: | Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots. |
| Shipping: | In general, Lyophilized powders are shipping with blue ice. Solutions are shipping with dry ice. |

Protein Background

A DRUG SCREENING EXPERT

Facilitates the accumulation of zinc from the cytoplasm into intracellular vesicles, being a zinc-efflux transporter. May be a major component for providing zinc to insulin maturation and/or storage processes in insulin-secreting pancreatic beta-cells.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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