

SLC30A8 Protein, Human, Recombinant (His)

General Information

Synonyms:	SLC30A8;Solute carrier family 30 member 8;Zinc transporter 8 (ZnT-8);Proton-coupled zinc antiporter SLC30A8;ZNT8
Protein Construction:	1-369 aa
Species:	Human
Expression Host:	E. coli
Accession:	Q8IWU4
Molecular Weight:	43.6 kDa (predicted)
AA Sequence:	MEFLERTYLVNDKAAKMYAFTLESVELQQKPVNKDQCPRRERPEELESGGMYHCHSGSKPTEKGANEYAYAK WKLCSASAICFIFMIAEVVGGHIAGSLAVVTDAAHLLIDLTSFLLSLFSLWLSSKPPSKRLTFGWHRAEILGALLSI LCIWVVTGVLVYLACERLLYPDYQIQATVMIIVSSCAVAANIVLTVLHQRCLGHNHKEVQANASVRAAFVHA LGLDFQISISVLISALIIYFKPEYKIADPICTFIFISILVLASTITILKDFSILLMEGVPKSLNYSVGVKELILAVDGVLSVHS LHIWSLTMNQVILSAHVATAASRDSQVVRREIAKALSKSFTMHSLTIQMESPVDQDPDCLFCEDPCD

QC Testing

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:	Lyophilized from Tris/PBS-based buffer, 6% Trehalose, pH 8.0

Preparation and Storage

Reconstitution:
A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

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.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

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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