Recombinant Human SLC30A8 Protein, His&GST-tagged

Cat. No. SLC30A8-2073H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SLC30A8 Protein (Thr263-Asp369) with N-His&GST tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Thr263-Asp369
Description	The protein encoded by this gene is a zinc efflux transporter involved in the accumulation of zinc in intracellular vesicles. This gene is expressed at a high level only in the pancreas, particularly in islets of Langerhans. The encoded protein colocalizes with insulin in the secretory pathway granules of the insulin-secreting INS-1 cells. Allelic variants of this gene exist that confer susceptibility to diabetes mellitus, noninsulin-dependent (NIDDM). Several transcript variants encoding different isoforms have been found for this gene.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 41.7 kDa Accurate Molecular Mass: 42 kDa
Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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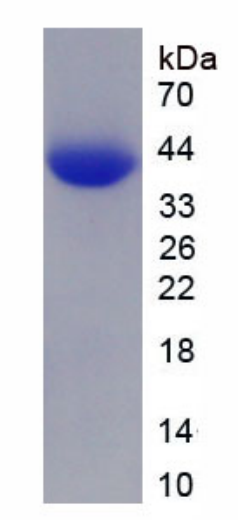
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration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

GENE INFORMATION

Gene Name	SLC30A8 solute carrier family 30 (zinc transporter), member 8 [Homo sapiens (human)]
Official Symbol	SLC30A8
Synonyms	SLC30A8; solute carrier family 30 (zinc transporter), member 8; zinc transporter 8; zinc transporter ZnT-8; ZNT8; ZnT-8;
Gene ID	169026
mRNA Refseq	NM_001172811
Protein Refseq	NP_001166282
MIM	611145

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UniProt ID	Q8IWU4



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