

## Recombinant Human SLC30A8/ZNT8 Protein

**Cat. No.** SLC30A8-140H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human SLC30A8 Protein was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>ProteinLength</b>    | 268-369 aa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Description</b>      | 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. |
| <b>Form</b>             | PBS, pH 7.4.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Molecular Mass</b>   | 28 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>AA Sequence</b>      | MKDFSILLMEGVPKSLNYSVGVKELILAVDGVLSVHSLHIWSLTMNQVILSAHVATAAS<br>WDSQVVRREIAKALSKSFTMHSLTIQMESPVDQDPDCLFCEDPCD                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Purity</b>           | >90%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**Storage**

Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

**GENE INFORMATION**

|                  |                                                                    |
|------------------|--------------------------------------------------------------------|
| <b>Gene Name</b> | SLC30A8 solute carrier family 30 member 8 [ Homo sapiens (human) ] |
|------------------|--------------------------------------------------------------------|

|                        |         |
|------------------------|---------|
| <b>Official Symbol</b> | SLC30A8 |
|------------------------|---------|

|                 |             |
|-----------------|-------------|
| <b>Synonyms</b> | ZNT8; ZnT-8 |
|-----------------|-------------|

|                |        |
|----------------|--------|
| <b>Gene ID</b> | 169026 |
|----------------|--------|

|                    |              |
|--------------------|--------------|
| <b>mRNA Refseq</b> | NM_001172811 |
|--------------------|--------------|

|                       |              |
|-----------------------|--------------|
| <b>Protein Refseq</b> | NP_001166282 |
|-----------------------|--------------|

|            |        |
|------------|--------|
| <b>MIM</b> | 611145 |
|------------|--------|

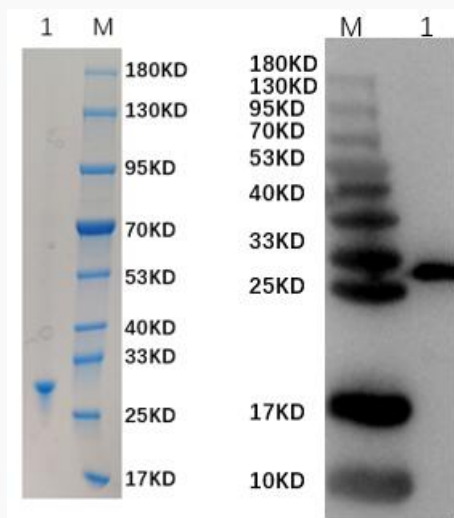
|                   |        |
|-------------------|--------|
| <b>UniProt ID</b> | Q8IWU4 |
|-------------------|--------|

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

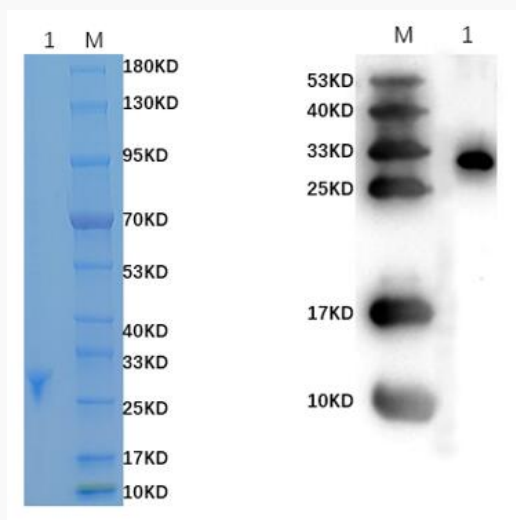
 45-1 Ramsey Road, Shirley, NY 11967, USA

SDS-PAGE



Reducing 12% SDS-PAGE and WB analysis profile of purified ZNT8(0.8mg/ml).

SDS-PAGE



Reducing 12% SDS-PAGE and WB analysis profile of purified ZNT8(0.6mg/ml).

Tel: 1-631-559-9269 1-516-512-3133

Email: [info@creative-biomart.com](mailto:info@creative-biomart.com) Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA