

# Recombinant Full Length Human Zinc Transporter Zip14(Slc39A14) Protein, His-Tagged

**Cat. No.** RFL2265HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Full Length Human Zinc transporter ZIP14(SLC39A14) Protein (Q15043) (31-492aa), fused to N-terminal His tag, was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>ProteinLength</b>    | Full Length (31-492)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Form</b>             | Lyophilized powder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>AA Sequence</b>      | SSLGAPAIASAASFLQDLIHRYGEGDSLTLQQLKALLNHLDVGVGRGNVTQHVQGHR<br>NLST CFSSGDLFTAHNFSSEQSRIGSSELQEFCTILQQLDSRACTSENQENEENEQ<br>TEEGRPSA VEVWGYGLLCVTVISLCSLLGASVVPFMKKTFFYKRLLLYFIALAIGTLYS<br>NALFQLIPEA FGFNPLEDYYVSKSAVVFGGFYLFFFTEKILKILLKQKNEHHHGHSHY<br>ASESLSKKDQE EGVMEKLQNGDLDMIPQHCSELDGKAPMVDEKIVVGSLSVQ<br>DLQASQSACYWLKGVRY SDIGTLAWMITLSDGLHNFIDGLAIGASFTVSVFQGISTS<br>VAILCEEFPHELGDVFILLN AGMSIQQALFFNFLSACCCYLGLAFGILAGSHFSANWIF<br>ALAGGMFLYISLADMFPPEMNE VCQEDERKGSILIPFIIQNLGLLTGFTIMVVLTMYSG<br>QIQIG |
| <b>Purity</b>           | Greater than 90% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Notes</b>            | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C                                                                                                                                                                                                                                                                                                                                                                                                                                       |

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

for up to one week.

**Storage**

Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.

**Storage Buffer**

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

**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

## GENE INFORMATION

**Gene Name**

SLC39A14

**Synonyms**

SLC39A14; KIAA0062; ZIP14; Metal cation symporter ZIP14; LIV-1 subfamily of ZIP zinc transporter 4; LZT-Hs4; Solute carrier family 39 member 14; Zrt- and Irt-like protein 14; ZIP-14

**UniProt ID**

[Q15043](#)

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