

Recombinant Full Length *Xenopus Tropicalis* Zinc Transporter Zip14(Slc39A14) Protein, His-Tagged

Cat. No. RFL27615XF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length <i>Xenopus tropicalis</i> Zinc transporter ZIP14(slc39a14) Protein (A4IGY6) (17-462aa), fused to N-terminal His tag, was expressed in <i>E. coli</i> .
Species	<i>Xenopus tropicalis</i> (Western clawed frog) (<i>Silurana tropicalis</i>)
Source	<i>E. coli</i>
ProteinLength	Full Length of Mature Protein (17-462)
Form	Lyophilized powder
AA Sequence	GPTPSTGKELSAASFLQDILQRYGENESLSMPQLQSLLLENLEVKGKGGGNQRNMSQ CLSSS TLFAAHNLTSGSVVDAEGFQSFCTILQQLETRACQESPAFQNETTPGAEG RPSPGEVWG YGFLCVTVISLCSLFGAGVVPFMKKACYKRLLLFICIALAIGTLFSNALF QLIPEAFGFNP LEDSYVFTSSVIFGGFYLFFFTEKVLKMMLKQKHEHGHSHYSADTS KRDAEEGVTEKLQN GDLDHMIPPPHGSSEDLRGDEKAVQQQDLPGQQSSCYWLK GIRYSDIGTLAWMITLSDGL HNFIDGLAIGASFTVSVFQGVSTSIILCEEFPHELGD VILLNAGMSIPQALFFNFLSA CCCYLGLAFGILAGSHFSSNWIFALAGGMFLYIALSD MFPEMNEVSKEDDEEGGRAFSAFM IQNAGLLTGFAIMLLLTTFSGQIQLG
Purity	Greater than 90% as determined by SDS-PAGE.
Applications	SDS-PAGE

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Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C 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; Metal cation symporter ZIP14; Solute carrier family 39 member 14; Zrt- and Irt-like protein 14; ZIP-14
UniProt ID	A4IGY6

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