

Recombinant Full Length Escherichia Coli Lead, Cadmium, Zinc And Mercury-Transporting Atpase(Znta) Protein, His-Tagged

Cat. No. RFL8327EF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Escherichia coli Lead, cadmium, zinc and mercury-transporting ATPase(zntA) Protein (P37617) (1-732aa), fused to N-terminal His tag, was expressed in E. coli.
Species	E.coli
Source	E.coli
ProteinLength	Full Length (1-732)
Form	Lyophilized powder
AA Sequence	MSTPDNHGKKAPQFAAFKPLTTVQNANDCCCDGACSSPTLSENVSGTRYSWKVS GMDCA ACARKVENAVRQLAGVNQVQVLFATEKLVDADNDIRAQVESALQKAGYS LRDEQAAEEP QASRLKENLPLITLIVMMAISWGLEQFNHPFGQLAFIATTLVGLYPIA RQALRLIKSGSY FAIETLMSVAAIGALFIGATAEAAMVLLLFLIGERLEGWAASRARQ GVSALMALKPETAT RLRKGEREEVAINSLRPGDVIEVAAGGRLPADGKLLSPFASFD ESALTGESIPVERATGD KVPAGATSVDRLVTLSEVPGASAI DRILKLIEEAEERRA PIERFIDRFSRIYTPAIMA VALLVTLVPPLLFAASWQEWIYKGLTLLIGCPCALVISTP AAITSGLAAAARRGALIKG GAALQLGRVTQVAFDKTGTLTVGKPRVTAIHPATGISE SELLTLAAAVEQGATHPLAQA IVREAQVAELAIPTAESQRALVGSGIEAQVNGERVLI CAAGKHPADAFTGLINELESAGQ TVVLVVRNDDVLGVIALQDTLRADAATAISELNAL

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GVKGVILTGDNPRAAAAIAGELGLE FKAGLLPEDKVKAVTELNQHAPLAMVGDGIND
APAMKAAAIGIAMGSGTDVALETADAAL THNHLRGLVQMIELARATHANIRQNITIAL
GLKGIFLVTTLLGMTGLWLAVLADTGATVL VTANALRLLRRR

Purity Greater than 90% as determined by SDS-PAGE.

Applications SDS-PAGE

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 zntA

Synonyms zntA; yhhO; b3469; JW3434; Zinc/cadmium/lead-transporting P-type ATPase; Pb(II)/Cd(II)/Zn(II)-translocating ATPase; Zn(2+)/Cd(2+)/Pb(2+ export ATPase

UniProt ID [P37617](#)

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