

Recombinant Full Length *Xenopus Tropicalis* Letm1 And Ef-Hand Domain-Containing Protein 1, Mitochondrial(Letm1) Protein, His-Tagged

Cat. No. RFL21442XF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length <i>Xenopus tropicalis</i> LETM1 and EF-hand domain-containing protein 1, mitochondrial(letm1) Protein (Q0VA06) (118-760aa), 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 (118-760)
Form	Lyophilized powder
AA Sequence	DSVVEKSLKSLKDKNKKLEEGGPVYSPVSEVETVKKSLGQKVIDEIKHYYHGFRLW DT KIAARMLRQILNGHAMSRERRRQFLRICADLFRLVPFLVFVIVPFMEFLLPVALKL FPNM LPSTFETFSKKEERLKKELRVKLELAKFLQDTIEEIALRNKAAKGDVTAEFATF FQKIRS TGERPSNEEIVRFSKLFEDLTLDNLTRPQLVALCKLLELQSIGTNNFLRFQ LTMKLRSI KADDKLIADGLDLSLTVTELQAACRARGMRALGVTEDRLEQLKQWLEL HLDQEIPTSLL LLSRALYLPDTLSPADQLKTTLTLPESVAKEAQVKVAAVECEKVDN KTKLEATLQEEEA IRKENQEKEMERLADAAKESQQVAAKVDVQSAPEEAISGEMKT ATADTAAEPAVAQMSAS EQAEILKDTAPVLEGIKGEEITKEEIDILSDACTKLKEQKKL LTKEKEELSELKDDVQEY SEDLQEIKKELSKTGQEKVLQETKASKILTKRVNRMIGQ MDKIISELENEEKVLDEHIEK GSVPPVGENLVSINELISIMRHIQKIPEQKLQRIAAALD

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	ENKDGKIDLDDVAKVVELIDK EDIDISTSQVAEIMELLQKEEKLAEEKEKAKEKVEKEQ AAEAQN
Purity	Greater than 90% as determined by 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	letm1
Synonyms	letm1; Mitochondrial proton/calcium exchanger protein; Leucine zipper-EF-hand-containing transmembrane protein 1
UniProt ID	Q0VA06