

Recombinant human UBL5 protein

Catalog Number: ATGP1082

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-73aa

UniProt No.

Q9BZL1

NCBI Accession No.

NP_077268

Alternative Names

ubiquitin-like protein 5, 1110030M22Rik, beacon

PRODUCT SPECIFICATION

Molecular Weight

10.7 kDa (93aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 0.1M NaCl, 2mM DTT

Purity

> 95% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

UBL5, also known as ubiquitin-like protein 5, is thought to be a reversible modulator of protein function rather than a protein degrader like ubiquitin. This protein effects a nuclear step required for mounting a response to the threat of mitochondrial protein misfolding. Recombinant human UBL5 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.

Amino acid Sequence

<MGSSHHHHHH SGLVPRGSH> MIEVVCNDRL GKKVRVKCNT DDTIGDLKKL IAAQTGTRWN KIVLKKWYTI

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FKDHVSLGDY EIHDGMNLEL YYQ

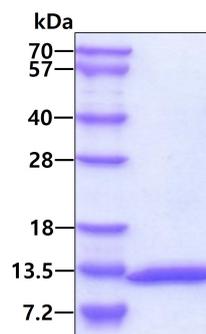
General References

Friedman JS. et al. (2001) Genomics 71:252-5.

McNally T. et al. (2003) Protein Sci. 12:1562-6.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.