

Recombinant human Otubain-2/OTUB2 protein

Catalog Number: ATGP1038

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-234aa

UniProt No.

Q96DC9

NCBI Accession No.

NP_075601

Alternative Names

ubiquitin thioesterase OTuB2, OTB2, OTu2, TimntanOTUB2 aUgitin thioesterase 2

PRODUCT SPECIFICATION

Molecular Weight

29.3 kDa (254aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol, 50mM NaCl

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

OTuB2 (ubiquitin thioesterase OTuB2) belongs to the peptidase C65 family. OTuB2 functions as a hydrolase that can remove conjugated ubiquitin from proteins in vitro and may therefore play an important regulatory role at the level of protein turnover by preventing degradation. Recombinant human OTuB2 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH> MSETSFNLIS EKCDILSILR DHPENRIYRR KIEELSKRFT AIRKTKGDGN CFYRALGYSY

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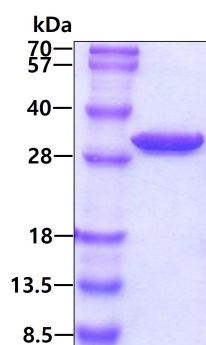
LESLLGKSRE IFKFKERVQLQ TPNDLLAAGF EEHKFRNFFN AFYSVVVELVE KDGSVSSLLK VFNDQSASDH IVQFLRLLTS
AFIRNRADFF RHFIDEEMDI KDFCTHEVEP MATECDHIQI TALSQALSIA LQVEYVDEMD TALNHHVFPE AATPSVYLLY
KTSHYNILYA ADKH

General References

Balakirev MY, et al. (2003) EMBO Rep 4 (5): 517-22.
Edelmann M.J., et al. (2009) Biochem. J. 418:379-390

DATA

SDS-PAGE



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