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Recombinant human UFM1 protein

Catalog Number: ATGP0940

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-83aa

UniProt No.
P61960

NCBI Accession No.
NP_057701.1

Alternative Names
ubiquitin-fold modifier 1, bA131P10.1, BM-002, C13orf20

PRODUCT SPECIFICATION

Molecular Weight
11.1 kDa (103aa) confirmed by MALDI-TOF

Concentration
1mg/ml (determined by BCA assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

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
UFM1 is a ubiquitin-like protein that is conjugated to target proteins by E1-like activating enzyme UBA5 and E2-like conjugating enzyme UFC1 in a manner analogous to ubiquitylation. It localizes primarily to the nucleus, but is also present in diffuse amounts in the cytoplasm. This protein is expressed in a variety of tissues, including kidney, brain, heart, liver and lung. Recombinant human UFM1 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

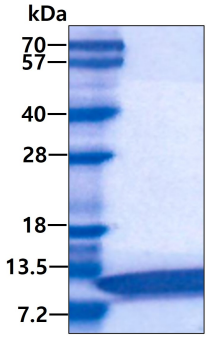
<MGSSHHHHHH SSGLVPRGSH> MSKVSFKITL TSDPRLPYKV LSVPESTPFT AVLKFAAEEF KVPAATSAII TNDGIGINPA QTAGNVFLKH GSELRIIPRD RVG

General References

Sasakawa H., et al. (2006) Biochem Biophys Res Commun. 343(1):21-6.
Komatsu M., et al. (2004) EMBO J. 23(9):1977-86.

DATA

SDS-PAGE



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