Recombinant human Josephin 1/JOSD1 protein

Catalog Number: ATGP1756

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-202aa

UniProt No.
Q15040

NCBI Accession No.
NP_055691

Alternative Names
Josephin-1, dJ508I15.2

PRODUCT SPECIFICATION

Molecular Weight
25.6 kDa (225aa) confirmed by MALDI-TOF

Concentration
0.5mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 40% glycerol, 5mM DTT, 2mM EDTA

Purity
> 90% 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
JOSD1, also as known as Josephin-1, has low protease activity towards poly-ubiquitin chains (in vitro). JOSD1 is act as a deubiquitinating enzyme. Recently identified ubiquitin-binding sites in the Josephin domain contribute to ubiquitin chain binding and cleavage. Recombinant human JOSD1 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 MGS>MSCVPWK GDKAKSESLE LPQAAPPQIY HEKQRRELCA LHALNNVFQD

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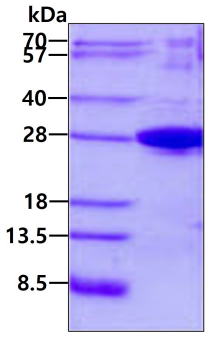
SNAFTRDTLQ EIFQRLSPNT MVTPHKKSML GNGNYDVNVI MAALQTKGYE AVWWDKRRDV GVIALTNVMG FIMNLPSSLC WGPLKLPLKR QHWICVREVG GAYYNLDSKL KMPEWIGGES ELRKFLKHHL RGKNCELLLV VPEEVEAHQS WRTDV

General References

Weeks S.D., et al. (2011) J. Biol. Chem. 286:4555-4565

DATA

SDS-PAGE



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