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Recombinant human DESI1 protein

Catalog Number: ATGP2242

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-168aa

UniProt No.

06ICB0

NCBI Accession No.

NP 056519

Alternative Names

Desumoylating isopeptidase 1, D15Wsu75e, DeSI-1, DESI2, DJ347H13.4, FAM152B, PPPDE2

PRODUCT SPECIFICATION

Molecular Weight

20.7 kDa (191aa) confirmed by MALDI-TOF

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 10% glycerol, 1mM DTT

Purity

> 85% 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

DESI1 belongs to the DeSI family and contains 1 PPPDE peptidase domain. This protein is a protease which deconjugates SuMO1, SuMO2 and SuMO3 from some substrate proteins and has isopeptidase but not SuMO-processing activity. DESI1 desumoylates ZBTB46. Recombinant human DESI1 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 MGSMEPPNLY PVKLYVYDLS KGLARRLSPI MLGKQLEGIW HTSIVVHKDE FFFGSGGISS



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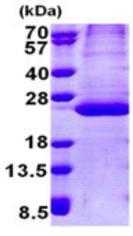
CPPGGTLLGP PDSVVDVGST EVTEEIFLEY LSSLGESLFR GEAYNLFEHN CNTFSNEVAQ FLTGRKIPSY ITDLPSEVLS TPFGQALRPL LDSIQIQPPG GSSVGRPNGQ S

General References

Briegel W., et al. (2004) Psychother. 32:107-115 Gothelf D., et al. (2008) Dev Disabil res Rev. 14:59-68

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

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

