Recombinant human USP15 protein

Catalog Number: ATGP2237

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-235aa

UniProt No.
Q9Y4E8

NCBI Accession No.
NP_001239008

Alternative Names
ubiquitin carboxyl-terminal hydrolase 15 isoform 3, uNPH-2, uNPH4

PRODUCT SPECIFICATION

Molecular Weight
29.5 kDa (258aa) confirmed by MALDI-TOF

Concentration
0.5mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT

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
uSP15 is a member of the ubiquitin specific protease (uSP) family of deubiquitinating enzymes. uSP enzymes play critical roles in ubiquitin-dependent processes through polyubiquitin chain disassembly and hydrolysis of ubiquitin-substrate bonds. The protein associates with the COP9 signalosome, and also plays a role in transforming growth factor beta signalling through deubiquitination of receptor-activated SMAD transcription factors. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene, and a pseudogene of this gene is located on the long arm of chromosome 2. Recombinant human uSP15 protein,

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fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

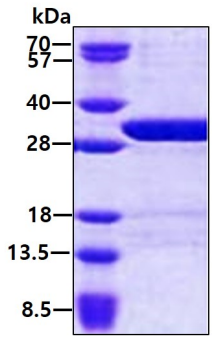
<MGSSHHHHHH SSGLVPRGSH MGS>MAEGGAA DLDTQRSDIA TLLKTSLRKG DTWYLVDSRW FKQWKKYVGF DSWDKYQMGD QNVYPGPIDN SGLLKDGDAQ SLKEHLIDEL DYILLPTEGW NKLVSWYTLM EGQEPIARKV VEQGMFVKHC KVEVYLTELK LCENGNMNNV VTRRFSKADT IDTIEKEIRK IFSIPDEKET RLWNKYMSNT FEPLNKPDST IQDAGLYQGQ VLVIEQKNED GTWPRGPSTP KKPLEQSC

General References

Imboden,M., et al. (2012) J. Allergy Clin. Immunol. 129 (5), 1218-1228
Eichhorn,P.J., et al. (2012) Nat. Med. 18 (3), 429-435

DATA

SDS-PAGE



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