Recombinant human USP46/UAF1 protein

Catalog Number: ATGP2553

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-366aa

UniProt No.
P62068

NCBI Accession No.
NP_073743.2

Alternative Names
ubiquitin carboxyl-terminal hydrolase 46 isoform 1, Deubiquitinating enzyme 46, FLJ12552, ubiquitin carboxyl-terminal hydrolase 46, ubiquitin thioesterase 46, ubiquitin-specific-processing protease 46

PRODUCT SPECIFICATION

Molecular Weight
44.8 kDa (389aa) confirmed by MALDI-TOF

Concentration
0.25mg/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
Modification of cellular proteins by ubiquitin is an essential regulatory mechanism controlled by the coordinated action of multiple ubiquitin-conjugating and deubiquitinating enzymes. uSP46 belongs to a large family of cysteine proteases that function as deubiquitinating enzymes. Recombinant human uSP46 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

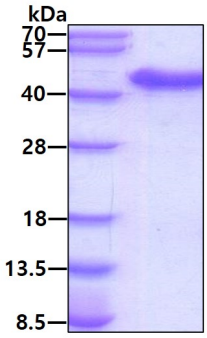
<MGSSHHHHHH SSGLVPRGSH MGS>MTVRNIA SICNMGTNAS ALEKDIGPEQ FPINEHYFGL VNFGNTCYCN SVLQALYFCR PFRENVLAYK AQQKKKENLL TCLADLFHSI ATQKKKVGVI PPKKFISRLR KENDLFDNYM QQDAHEFLNY LLNTIADILQ EEKKQEKQNG KLKNGNMNEP AENNKPELTW VHEIFQGTLT NETRCLNCET VSSKDEDFLD LSVDVEQNTS ITHCLRDFSN TETLCSEQKY YCETCCSKQE AQKRMRVKKL PMILALHLKR FKYMEQLHRY TKLSYRVVFP LELRLFNTSS DAVNLDRMYD LVAVVVHCGS GPNRGHYITI VKSHGFWLLF DDDIVEKIDA QAIEEFYGLT SDISKNSESG YILFYQSRE

General References

Fukuo,Y., et al. (2011) J Affect Disord 133 (1-2), 150-157
Zhang,W., et al. (2011) PLoS ONE 6 (10), E26297

DATA

SDS-PAGE



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