

USP46, 1-366aa, Human, His tag, E.coli

Cat.NO.: TP04446

3th Edition

Synonyms:ubiquitin carboxyl-terminal hydrolase 46 isoform 1, Deubiquitinating enzyme 46, FLJ12552, Ubiquitin carboxyl-terminal hydrolase 46, Ubiquitin thioesterase 46, Ubiquitin-specific-processing protease 46

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.

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

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

Sequences:

MGSSHHHHHSSGLVPRGSHMGSM TVRNIASICNMGTNASALEKDIGPEQFPINEHYFGLVNFNGNTCYCNSVLQA
LYFCRPFRENVLAYKAQQKKKENLLTCLADLFHSIATQKKKVGVIPPKKFISRLRKENDLFDNYMQQDAHEFLNYLLN
TIADILQEEKKQEKQNGKLNKNGNMNEPAENNKPELTWVHEIFQGTLTNETRCLNCETVSSKDEDFLDLSVDVEQNT
SITHCLRDFSNTETLCSEKYYCETCCSKQEAQKRM RVKKLPMILALHLKRFKYMEQLHRYTKLSYRVVFPLELRLF
NTSSDAVNLD RMYDLVAVVVHCGSGPNRGHYITIVKSHGFWLLFDD DIVEKIDAQAIEEFYGLTSDISKNSESGYILF
YQSRE

Purity:> 95% by HPLC

Concentration:0.25 mg/ml (determined by BRADFORD assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.