Recombinant Human ubiquitin specific peptidase 46, His-tagged

Cat. No. USP46-456H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	USP46, 1-366aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-366 a.a.
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 Mass	44.8kDa (389aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMTVRNIA SICNMGTNAS ALEKDIGPEQ FPINEHYFGL VNFGNTCYCN SVLQALYFCR PFRENVLAYK AQQKKKENLL TCLADLFHSI ATQKKKVGVI PPKKFISRLR KENDLFDNYM QQDAHEFLNY LLNTIADILQ EEKKQEKQNG KLKNGNMNEP AENNKPELTW VHEIFQGTLT

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	NETRCLNCET VSSKDEDFLD LSVDVEQNTS ITHCLRDFSN TETLCSEQKY YCETCCSKQE AQKRMRVKKL PMILALHLKR FKYMEQLHRY TKLSYRVVFP LELRLFNTSS DAVNLDRMYD LVAVVVHCGS GPNRGHYITI VKSHGFWLLF DDDIVEKIDA QAIEEFYGLT SDISKNSESG YILFYQSRE
Purity	>90% by SDS - PAGE
Storage	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.
Concentration	0.25 mg/ml (determined by BRADFORD assay)

GENE INFORMATION

Gene Name	USP46 ubiquitin specific peptidase 46 [Homo sapiens]
Official Symbol	USP46
Synonyms	USP46; ubiquitin specific peptidase 46; ubiquitin specific protease 46; ubiquitin carboxyl-terminal hydrolase 46; FLJ12552; ubiquitin thioesterase 46; deubiquitinating enzyme 46; ubiquitin thiolesterase 46; ubiquitin-specific-processing protease 46; FLJ11850; FLJ14283; FLJ39393;
Gene ID	64854
mRNA Refseq	NM_001134223
Protein Refseq	NP_001127695
MIM	612849

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UniProt ID	P62068
Chromosome Location	4q12
Function	cysteine-type peptidase activity; peptidase activity; protein binding; ubiquitin thiolesterase activity; ubiquitin-specific protease activity;

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