

# Product information



## USP46, 1-366aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP2553

**Full name:** ubiquitin carboxyl-terminal hydrolase 46 isoform 1

**NCBI Accession No.:** NP\_073743

**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.

<p><b>Form:</b> Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT</p> <p><b>Molecular Weight:</b> 44.8kDa (389aa) confirmed by MALDI-TOF</p> <p><b>Purity:</b> &gt; 90% by SDS - PAGE</p> <p><b>Concentration:</b> 0.25 mg/ml (determined by BRADFORD assay)</p>	<p>15% SDS-PAGE (3ug)</p>
<p><b>Sequences of amino acids:</b></p> <p><u>MGSSHHHHHH</u> <u>SSGLVPRGSH</u> <u>MGSMTVRNIA</u> <u>SICNMGTNAS</u> <u>ALEKDIGPEQ</u> <u>FPINEHYFGL</u> <u>VNFGNTCYCN</u> <u>SVLQALYFCR</u> <u>PFRENVLAYK</u> <u>AQKKKKENLL</u> <u>TCLADLFHSI</u> <u>ATQKKKVGVI</u> <u>PPKKFISRLR</u> <u>KENDLFDNYM</u> <u>QQDAHEFLNY</u> <u>LLNTIADILQ</u> <u>EEKKQEKQNG</u> <u>KLKNGNMNEP</u> <u>AENNKPELTW</u> <u>VHEIFQGTLT</u> <u>NETRCLNCET</u> <u>VSSKDEDFLD</u> <u>LSVDVEQNTS</u> <u>ITHCLRDFSN</u> <u>TETLCSEQKY</u> <u>YCETCCSKQE</u> <u>AQKRMRVKKL</u> <u>PMILALHLKR</u> <u>FKYMEQLHRY</u> <u>TKLSYRVVFP</u> <u>LELRLFNTSS</u> <u>DAVNLDRLMYD</u> <u>LVAVVVHCGS</u> <u>GPNRGHYITI</u> <u>VKSHGFLLF</u> <u>DDIVEKIDA</u> <u>QAIEEFYGLT</u> <u>SDISKNSESG</u> <u>YILFYQSRE</u></p>	

### 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

**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.

**For research use only. This product is not intended or approved for human, diagnostics or veterinary use.**



Manufactured for:

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