Recombinant Human USP15, His-tagged

Cat. No. USP15-15881H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human USP15 protein, fused to His tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
ProteinLength	1-235aa
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.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT
Molecular Mass	29.5kDa (258aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMAEGGAA DLDTQRSDIA TLLKTSLRKG DTWYLVDSRW FKQWKKYVGF DSWDKYQMGD QNVYPGPIDN SGLLKDGDAQ

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	SLKEHLIDEL DYILLPTEGW NKLVSWYTLM EGQEPIARKV VEQGMFVKHC KVEVYLTELK LCENGNMNNV VTRRFSKADT IDTIEKEIRK IFSIPDEKET RLWNKYMSNT FEPLNKPDST IQDAGLYQGQ VLVIEQKNED GTWPRGPSTP KKPLEQSC
Purity	>90% by SDS - PAGE
Applications	SDS-PAGE
Storage	Can be stored at 4°C short term. For long term storage, aliquot and store at at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
Concentration	0.5 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name	USP15 ubiquitin specific peptidase 15 [Homo sapiens]
Official Symbol	USP15
Synonyms	USP15; ubiquitin specific peptidase 15; ubiquitin specific protease 15; ubiquitin carboxyl-terminal hydrolase 15; KIAA0529; UNPH4; ubiquitin thioesterase 15; deubiquitinating enzyme 15; ubiquitin thiolesterase 15; ubiquitin-specific-processing protease 15; UNPH-2; FLJ55073; MGC74854; MGC131982; MGC149838;
Gene ID	9958
mRNA Refseq	NM_001252079
Protein Refseq	NP_001239008

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MIM	604731
UniProt ID	Q9Y4E8
Chromosome Location	12q14
Function	cysteine-type endopeptidase activity; peptidase activity; ubiquitin thiolesterase activity; ubiquitin-specific protease activity;

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