

USP15, 1-235aa, Human, His tag, E.coli

Cat.NO.: TP04445

3th Edition

Synonyms:Ubiquitin carboxyl-terminal hydrolase 15 isoform 3, UNPH-2, UNPH4

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. Recombinant human USP15 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:29.5kDa (258aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMGMAEGGAADLDTQRSDIATLLKTSLRKGDWYLVDSRWFKQWKKYVGFDSW
DKYQMGDQNVYPGPIDNSGLLKDGDAQSLKEHLIDELDYILLPTEGWNKLVSWYTLMEGQEPIARKVVEQGMFVK
HCKVEVYLTCLKCENGMNNAVTRRFKADTIDTIEKEIRKIFSIPDEKETRLWKNKYMSNTFEPLNKPSTIQDAGL
YQGQVLVIEQKNEDGTWPRGPSTPKKPLEQSC

Purity:> 95% by HPLC

Concentration:0.5 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.