
Product Data Sheet

Product Name: USP15 Human
 Cat. No.: GP24965
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Ubiquitin Specific Peptidase 15; Ubiquitin Carboxyl-Terminal Hydrolase 15; Deubiquitinating Enzyme 15; Ubiquitin-Specific-Processing Protease 15; Ubiquitin Specific Protease 15; Ubiquitin Thiolesterase 15; KIAA0529; UNPH4; UNPH-2; EC 3.4.19.12; EC 3.1.2.15.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSMAEGGAA DLDTQRSDIA TLLKTSLRKG DTWYLVDSRW FKQWKKYVGF DSWDKYQMGD QNVYPGPIDN SGLLKDGDAQ SLKEHLIDEL DYILLPTEGW NKLVSWYTLM EGQEPIARKV VEQGMFVKHC KVEVYLTELK LCENGMNNV VTRRFKADT IDTIEKEIRK IFSIPDEKET RLWNKYMSNT FEPLNKPDST IQDAGLYQGQ VLVIEQKNED GTWPRGPSTP KKPLeQSC		
Formulation	The USP15 solution contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 1mM DTT and 10% glycerol.		

Introduction

USP15 belongs to the ubiquitin specific protease (USP) family of deubiquitinating enzymes which has a vital role in ubiquitin-dependent processes through polyubiquitin chain disassembly and hydrolysis of ubiquitin-substrate bonds. USP15 connects with the COP9 signalosome, and takes part in transforming growth factor beta signalling through deubiquitination of receptor-activated SMAD transcription factors. Alternatively spliced transcript variants encoding multiple isoforms of this gene are known, and a pseudo gene of USP15 is sited on the long arm of chromosome 2.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks.

Background

Caution: Product has not been fully validated for medical applications. For research use only.

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USP15 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 258 amino acids (1-235) and having a molecular mass of 29.5kDa.

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