

Active Recombinant Human USP15 Protein, His-tagged

Cat. No. USP15-358H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human USP15 Protein is produced by Spodoptera frugiperda, Sf 21 (baculovirus) expression system. This protein is fused with a His tag at the C-terminal.
Species	Human
Source	S.frugiperda
Description	Ubiquitin carboxyl-terminal hydrolase 15 (USP15) is a specialized cysteine protease with a predicted molecular weight of 112 kDa. USP15 is a member of the peptidase C19 family and the human protein shares 98% amino acid sequence identity with its mouse ortholog. USP15 is a regulator of the TGF beta signaling pathway, where it may promote signaling strength by deubiquitination of SMAD proteins and/or the TGF beta R1. Other reported targets of USP15 include histone H2B, NF kappa B1 alpha, MDM2 and human papillomavirus type 16 E6 protein.
Form	X mg/ml (XμM) in 50 mM HEPES pH 7.5, 100 mM NaCl, 1 mM TCEP, 10% (v/v) Glycerol
Bio-activity	Reaction conditions will need to be optimized for each specific application. We recommend an initial recombinant human USP15 concentration of 5-20 nM when using Ubiquitin-AMC or Ubiquitin-Rh110 substrates.
Molecular Mass	113 kDa
Purity	>85%, by SDS-PAGE under reducing conditions and visualized by Colloidal

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Coomassie® Blue stain.

Storage

Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
12 months from date of receipt, -70 centigrade as supplied.
3 months, -70 centigrade under sterile conditions after opening.

GENE INFORMATION

Gene Name	USP15 ubiquitin specific peptidase 15 [Homo sapiens]
Official Symbol	USP15
Synonyms	USP15; KIAA0529; UNPH4; UNPH-2; FLJ55073; MGC74854; MGC131982; MGC149838;
Gene ID	9958
mRNA Refseq	NM_001252078
Protein Refseq	NP_001239007
MIM	604731
UniProt ID	Q9Y4E8

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