
Product Data Sheet

Product Name: USP46 Human

Cat. No.: GP24966

Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Ubiquitin carboxyl-terminal hydrolase 46; Deubiquitinating enzyme 46; Ubiquitin thioesterase 46; Ubiquitin-specific-processing protease 46; USP46.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMTVRNIA SICNMGTNAS ALEKDIGPEQ FPINEHYFGL VNFNTCYCN SVLQALYFCR PFRENVLAYK AQQKKENLL TCLADLFHSI ATQKKKVGVI PPKKFISRLR KENDLFDNYM QQDAHEFLNY LLNTIADILQ EEKKQEKQNG KLKNGNMNEP AENNKPELTW VHEIFQGTLT NETRCLNCET VSSKDEDFLD LSVDVEQNTS ITHCLRDFSN TETLCSEQKY YCETCCSKQE AQKRMRVKKL PMILALHLKR FKYMEQLHRY TKLSYRVVFP LELRLFNTSS DAVNLDRMYD LVAVVVHCGS GPNRGHYITI VKSHGFWLLF DDDIVEKIDA QAIEEFYGLT SDISKNSESG YILFYQSRE.		
Formulation	The USP46 solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 10% glycerol and 1mM DTT.		

Introduction

USP46 is a part of a large family of cysteine proteases that function as deubiquitinating enzymes which interacts with WDR48 to have a high activity. USP46 operates by mediating the deubiquitination of GAD1/GAD67.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

USP46 Human Recombinant produced in E. coli is a single polypeptide chain containing

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389 amino acids (1-366) and having a molecular mass of 44.8kDa. USP46 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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