Datasheet for ABIN7317328

USP46 Protein (SUMO Tag)

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Overview

Quantity:	100 µg
Target:	USP46
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This USP46 protein is labelled with SUMO Tag.

Product Details

Purpose:	Recombinant Human/Mouse USP46 Protein (SUMO Tag)
Sequence:	Met 1-Glu366
Characteristics:	A DNA sequence encoding the human USP46 [(Identical to the mouse USP46 (NP_808229.1)] (Met1-Glu366) was expressed and purified.
Purity:	> 90 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	USP46
Alternative Name:	/ USP46 (USP46 Products)
Background:	Background: USP46 belongs to the peptidase C19 family, USP12/USP46 subfamily. Deubiquitinating enzymes (DUBs) are a large group of proteases which are also commonly referred to as deubiquitinating peptidases, deubiquitinating isopeptidases, deubiquitinases,

Target Details

	ubiquitin proteases, ubiquitin hydrolyases, ubiquitin isopeptidases, or Dubs. They regulate ubiquitin-dependent metabolic pathways by cleaving ubiquitin-protein bonds. They also may act as negative and positive regulators of the ubiquitin system. Besides ubiquitin recycling, they are also involved in processing of ubiquitin precursors, in proofreading of protein ubiquitination and in disassembly of inhibitory ubiquitin chains. USP46 is a deubiquitinating enzyme that plays a role in behavior, possibly by regulating GABA action. It may act by mediating the deubiquitination of GAD1/GAD67. USP46 has almost no deubiquitinating activity by itself and requires the interaction with WDR48 to have a high activity and it is not involved in deubiquitination of monoubiquitinated FANCD2. Synonym: USP46
Molecular Weight:	55.2 kDa
NCBI Accession:	NP_808229

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile 20 mM Tris, 500 mM NaCl, pH 7.4, 10 % glycerol
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.