

Product datasheet for PH322609

USP16 (NM_006447) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	USP16 MS Standard C13 and N15-labeled recombinant protein (NP_006438)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC222609
Predicted MW:	93.4 kDa
Protein Sequence:	>RC222609 representing NM_006447 Red=Cloning site Green=Tags(s)

MGKKRTKGKTVPIDDSSSETLEPVCRHIRKGLEQGNLKKALVNVEWNICQDCKTDNKVKDKAEETEKEKPS
VWLCLKCGHQGCGRNSQEQHALKHYLTPRSEPHCLVLSLDNWSVWCYVCDNEVQYCSSNQLGQVVDYVRK
QASITTPKPAEKDNGNIELENKKLEKESKNEQEREKKNMAKENPPMNSPCQITVKGLSNLGNTCFNAV
MQNLSQTPVLRLLKEVKMSGTIVKIEPPDLALTEPLEINLEPPGPLTLAMSQFLNEMQETKKGVVTPKE
LFSQVCKKAVRFKGYQQQDSQELLRYLLDGMRAEEHQVSKGILKAFGNSTEKLDEELKNKVKDYEKKKS
MPSFVDRIFGGELTSMIMCDQCRTVSLVHESFLDLSPLVDDQSGKKS VNDKNLKKTVEDQDSEEEKD
NDSYIKERSDIPSGTSKHLQKKAKKQAKKQAKNQRQKIQGKVLHLNDICTIDHPEDSEYEAEMSLQGE
VNIKSNHISQEGVMHKEYCVNQDLNGQAKMIESVTDNQKSTEEVDMKNINMDNDLEVLTSPTRNLNGA
YLTEGSNGEVDISNGFKNLNLNAALHPDEINIEILNDSHTPGTKVYEVVNEPETAFTLANREVFNTDE
CSIQHCLYQFTRNEKLRDANKLLCEVCTRRQCNGPKANIKGERKHVYTNAKKQMLISLAPPVLTLLHLKRF
QQAGFNLRKVNKHIFPEILDLPFCTLKCKNVAEENTRVLYSLYGVVEHSGTMRSGHYTAYAKARTANS
HLSNLVHLHGDIPQDFEMESKGQWFHISDTHVQAVPTTKVLNSQAYLLFYERIL

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_006438



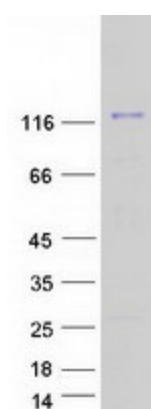
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RefSeq Size:	2989
RefSeq ORF:	2469
Synonyms:	UBP-M; UBPM
Locus ID:	10600
UniProt ID:	Q9Y5T5
Cytogenetics:	21q21.3

Summary: This gene encodes a deubiquitinating enzyme that is phosphorylated at the onset of mitosis and then dephosphorylated at the metaphase/anaphase transition. It can deubiquitinate H2A, one of two major ubiquitinated proteins of chromatin, in vitro and a mutant form of the protein was shown to block cell division. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jul 2008]

Protein Families: Protease

Product images:



Coomassie blue staining of purified USP16 protein (Cat# [TP322609]). The protein was produced from HEK293T cells transfected with USP16 cDNA clone (Cat# [RC222609]) using MegaTran 2.0 (Cat# [TT210002]).