

Product datasheet for PH318309

USP1 (NM_001017416) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	USP1 MS Standard C13 and N15-labeled recombinant protein (NP_001017416)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC218309
Predicted MW:	88 kDa
Protein Sequence:	>RC218309 representing NM_001017416 Red=Cloning site Green=Tags(s)

MPGVIPSESNGLSRGSPSKNRLSLKFFQKQKTRALDFDTSQENEEKASEYRASEIDQVVPAAQSSPIN
CEKRENLPLFVGLNNGNTCYLNSILQVLYFCPGFKSGVKHLFNII SRKKEALKDEANQKDKGNCKEDSL
ASYELICSLQSLIISVEQLQASFLNPEKYTDELATQPRRLNNTLRELNPMYEGYLQHDAQEVLQCILGN
IQETCQLLKKEEVKNVAELPTKVEEIPHPKEEMNGINSIEMDSMRHSEDFKEKLPKGNKRKSDTEFGNM
KKKVKLSKEHQSLLEENQRQTRSKRKATSDTLESPPKIIPKYISENESPRPSQKKSrvKINWLKSATKQPS
ILSKFCSLGKITTNOGVKGQSKENECDEEDLGKCESDNTTNGCGLESPGNTVTPVNVNEVKPINKGEEQ
IGFELVEKLFQGLVLRTRCLECESLTERREDFQDISVPVQDELSKVEESSEISPEPKTEMKTLRWAI
QFASVERIVGEDKYFCENCHHYTEAERSLLFDKMPEVITIHLCFAASGLEFDCYGGGLSKINTPLLTPL
KLSLEEWSTKPTNDSYGLFAVVMHSGITISSGHYTASVKVTDLNSLELDKGNFVVDQMCEIGKPEPLNEE
EARGVVENYNDEEVSIRVGGNTQPSKVLNKNVVEAIGLLGGQKSKADYELYNKASNPDKVASTAFAENRN
SETSDTTGTHESDRNKESSDQTGINISGFENKISYVVVQSLKEYEGKWLFFDDSEVKVTEEKDFLNSLSPS
TSPTSTPYLLFYKKL

SGPTRRRLEQKLISEEDLAANDILDYKDDDDKV

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_001017416



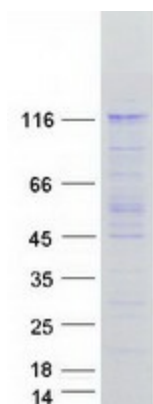
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RefSeq Size:	3424
RefSeq ORF:	2355
Synonyms:	UBP
Locus ID:	7398
UniProt ID:	O94782
Cytogenetics:	1p31.3

Summary: This gene encodes a member of the ubiquitin-specific processing (UBP) family of proteases that is a deubiquitinating enzyme (DUB) with His and Cys domains. This protein is located in the cytoplasm and cleaves the ubiquitin moiety from ubiquitin-fused precursors and ubiquitinated proteins. The protein specifically deubiquitinates a protein in the Fanconi anemia (FA) DNA repair pathway. Alternate transcriptional splice variants have been characterized. [provided by RefSeq, Jul 2008]

Protein Families: Protease

Product images:



Coomassie blue staining of purified USP1 protein (Cat# [TP318309]). The protein was produced from HEK293T cells transfected with USP1 cDNA clone (Cat# [RC218309]) using MegaTran 2.0 (Cat# [TT210002]).