

Product datasheet for PH317695

USP2 (NM_171997) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	USP2 MS Standard C13 and N15-labeled recombinant protein (NP_741994)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC217695
Predicted MW:	45.1 kDa
Protein Sequence:	>RC217695 representing NM_171997 Red=Cloning site Green=Tags(s) MRTSYTVTLPEDPPAAPFPALAKELRPRSPLSPSLLLSTFVGLLLNKAKNSKSAQGLAGLRNLGNTCFMN SILQCLSNTRRELRDYCLQRLYMRDLHHGSNAHTALVEEFAKLIQTIWTSSPNDVVPSEFKTQIQRYAPR FVGYNQQAQEFRLRFLDGLHNEVNRVTLRPKSNPENLDHLPDDEKGRQMWRKYLEREDSRIGDLFVGQL KSSLTCTDCGYCSTVFDPFWDLSLPIAKRGYPEVTLMDCMRLFTKEDVLDGDEKPTCCRCRGRKRCIKKF SIQRFPKILVLHLKRFSESRIKRTSKLTTFNPLRDLDLREFASENTNHAVYNYAVSNHSGTTMGGHYT AYCRSPGTGEWHTFNDSSVTPMSSQVRTSDAYLLFYELASPPSRM 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_741994
RefSeq Size:	1378
RefSeq ORF:	1188
Synonyms:	UBP41; USP9
Locus ID:	9099



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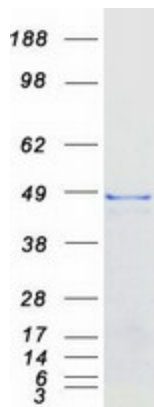
UniProt ID: [O75604](#), [O75604-4](#)

Cytogenetics: 11q23.3

Summary: This gene encodes a member of the family of de-ubiquitinating enzymes, which belongs to the peptidase C19 superfamily. The encoded protein is a ubiquitin-specific protease which is required for TNF-alpha (tumor necrosis factor alpha) -induced NF-kB (nuclear factor kB) signaling. This protein deubiquitinates polyubiquitinated target proteins such as fatty acid synthase, murine double minute 2 (MDM2), MDM4/MDMX and cyclin D1. MDM2 and MDM4 are negative regulators of the p53 tumor suppressor and cyclin D1 is required for cell cycle G1/S transition. Multiple alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Aug 2011]

Protein Families: Protease

Product images:



Coomassie blue staining of purified USP2 protein (Cat# [TP317695]). The protein was produced from HEK293T cells transfected with USP2 cDNA clone (Cat# [RC217695]) using MegaTran 2.0 (Cat# [TT210002]).