

## Product datasheet for PH322642

### USP15 (NM\_006313) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	USP15 MS Standard C13 and N15-labeled recombinant protein (NP_006304)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC222642
Predicted MW:	109.1 kDa
Protein Sequence:	>RC222642 representing NM_006313 Red=Cloning site Green=Tags(s)

MAEGGAADLDTQRSDIATLLKTSRLKGDWYLVDSRWFKQWKYVGFDSWDKYQMGDQNVYVPGPIDNSGL  
LKDGDQAQSLKEHLIDELDYILLPTEGWNKLVSWYTLMEGQEQPIARKVVEQGMFVKHCKVEVYLTELKLC  
NGNMNNVVTRRFKADTIDTIEKEIRKIFSIPEKETRLWNKYMSNTFEPLNKPSTIQDAGLYQGQVLV  
IEQKNEDGTWPRGPSTPNVKNSNYCLPSYAYKNYDYSEPRNNEQPGLCGLSNLGNFCMNSAIQCLSN  
TPPLTEYFLNDKYQEELNFDNPLGMRGEIAKSYAELIKQMWSGKFSYVTPRAFKTQVGRFAPQFSGYQQQ  
DCQELLAFLLDGLHEDLNRIRKKPYIQLKDADGRPKVVAEEAWENHLKRNSIIVDIFHGLFKSTLVCP  
ECAKISVTFDFPCYLTLPMPKKERTLEVYLVMDPLTKPMQYKVVVVKIGNILDCTALSALSGIPADK  
MIVTDIYNHRFHRIFAMDENLSSIMERDDIYVFEININRTEDTEHVIIPVCLREKFRHSSYTHHTGSSLF  
GQPFLMAVPRNNTEDKLYNLLLLRMCRYVKISTETEETEGSLHCCKDQNINGNGPNGIHEEGSPSEMETD  
EPDDESSQDQELPSENENSQSEDSVGGDNDSENGLCTEDTCKGQLTGHHKRLFTFQFNNGNTDINIKD  
DTRHIRFDDRQLRLDERFFLALDWDPLKCRYFDENAAEDFEKHESVEYKPPKPFVVKLDCIELFTTKE  
KLGAEWPYCPNCKEHQQAATKLDLWVLPVVLVHLKRFYSRYMRDKLDTLVDFPINDLDMSEFLINPN  
AGPCRYNLIAVSNHYGGMGGHYTAFAKNKDDGKWWYFDSSVSTASEDQIVSKAAYVLFYQRQDTFSGT  
GFFPLDRETKGASAAATGIPLESDESDSNDNDNDIENENCMHTN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-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.



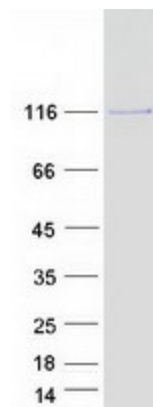
[View online »](#)

RefSeq:	<a href="#">NP_006304</a>
RefSeq Size:	4611
RefSeq ORF:	2856
Synonyms:	UNPH-2; UNPH4
Locus ID:	9958
UniProt ID:	<a href="#">Q9Y4E8</a>
Cytogenetics:	12q14.1

**Summary:** This gene encodes a member of the ubiquitin specific protease (USP) family of deubiquitinating enzymes. USP enzymes play critical roles in ubiquitin-dependent processes through polyubiquitin chain disassembly and hydrolysis of ubiquitin-substrate bonds. The encoded protein associates with the COP9 signalosome, and also plays a role in transforming growth factor beta signalling through deubiquitination of receptor-activated SMAD transcription factors. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene, and a pseudogene of this gene is located on the long arm of chromosome 2. [provided by RefSeq, Nov 2011]

**Protein Families:** Druggable Genome, Protease

### Product images:



Coomassie blue staining of purified USP15 protein (Cat# [TP322642]). The protein was produced from HEK293T cells transfected with USP15 cDNA clone (Cat# [RC222642]) using MegaTran 2.0 (Cat# [TT210002]).