

Product datasheet for PH324586

USP4 (NM_003363) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	USP4 MS Standard C13 and N15-labeled recombinant protein (NP_003354)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC224586
Predicted MW:	108.4 kDa
Protein Sequence:	>RC224586 representing NM_003363 Red=Cloning site Green=Tags(s)

MAEGGGCRERPDAETQKSELGPLMRTTLQRGAQWYLIDSRWFKQWKYVGFDSWDMYVNGEHNLFPGPID
NSGLFSDPESQTLKEHLIDELDYVLVPTTEAWNKLLNWYGCVEGQQPIVRKVVEHGLFVKHCKVEVYLLEL
KLCENSPTNVLSCHFSAKADTIATIEKEMRKLFNIPAERETRLWNKYMSNTYEQLSKLDNTVQDAGLYQG
QVLVIEPQNEGTWPRQTLQSKSSTAPSRNFTTSPKSSASPYSSVSASLIANGDSTSTCGMHSSGVSRRG
SGFSASYNQEPSSHIQPLGCLGNGLNTCFMNSALQCLSNAPLTDYFLKDEYEAERINRDNPLGMKGE
IAEAYAELIKQMWSGRDAHVAPRMFKTQVGRFAPQFSGYQQQDSQELLAFLLDGLHEDLNRVKKKPYLEL
KDANGRPDAVVAKEAWENHRLRNDSVIVDTFHGLFKSTLVCPECAKVSVTFDPFCYLTPLPLKKDRVME
VFLVPADPHCRPTQYRVTVPLMGAVSDLCEALSRLSGIAAENMVVADVYNHRFHKIFQMDEGLNHIMPRD
DIFVYEVCTSDVGSECVTLVYFRERKSRPSSTSSASALYGPQLLLSVPKHKLTLLESLYQAVCDRISRY
YKQPLPDEFSGSPLPGACNGSRNSCEGEDEEEMEHEEKEQLSETEGSGEDEPNDPSETTQKKIKGQ
PCPKRLFVSLVNSYGTADINSLAADGKLLKLSRSTLAMDWSETRRLYYDEQESEAYEKHVSMQLQPQK
KKKTTVALRDCIELFTTMETLGEHDPWYCPNCKKHQAATKKFDLWSPKILVVHLKRFVSYNRYWRDKLDT
VVEFPIRGLNMSEFVNCLSARPYVYDLIAVSNHYGAMGVGHYTAAYAKNKLNGKWYFDDSNVSLASEDQI
VTKAAYVLFYQRRDEFYKTPSLSSSGSSDGGTRPSSSQGFGDDEACSMMDTN

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- 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.



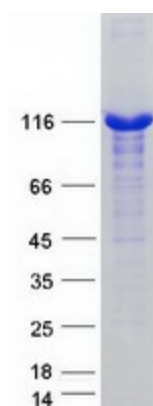
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RefSeq: [NP_003354](#)
RefSeq Size: 3696
RefSeq ORF: 2889
Synonyms: UNP; Unph
Locus ID: 7375
UniProt ID: [Q13107](#), [A1LPWZ](#), [Q08AK7](#)
Cytogenetics: 3p21.31

Summary: The protein encoded by this gene is a protease that deubiquitinates target proteins such as ADORA2A and TRIM21. The encoded protein shuttles between the nucleus and cytoplasm and is involved in maintaining operational fidelity in the endoplasmic reticulum. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2011]

Protein Families: Druggable Genome, Protease

Product images:



Coomassie blue staining of purified USP4 protein (Cat# [TP324586]). The protein was produced from HEK293T cells transfected with USP4 cDNA clone (Cat# [RC224586]) using MegaTran 2.0 (Cat# [TT210002]).