

Product datasheet for PH310554

USP21 (NM_012475) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	USP21 MS Standard C13 and N15-labeled recombinant protein (NP_036607)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC210554
Predicted MW:	62.5 kDa
Protein Sequence:	>RC210554 representing NM_012475 Red=Cloning site Green=Tags(s)

MPQASEHRLGRTREPPVNIQPRVSGSKLPFAPRARSKERRNPGSGPNMLRPLPPRPGLPDERLKKLELGR
GRTSGPRPRGPLRADHGVPPLPGSPPTVALPLPSRTNLARSKSVSSGDLRPMGIALGGHRGTGELGAALS
RLALRPEPPTLRRSTSLRRLGGFPGPPTLFSIRTEPPASHGSFHMSARSSEPFYSDDKMAHHTLLLGSG
HVGLRNLGNTCFNAVLQCLSSRPLRDFCLRRDFRQEVPGGGAQELTEAFADVIGALWHPDSCEAVNP
TRFRAVFQKYVPSFSGYSQQDAQEFLKLLMERLHLEINRRGRAPPILANGPVPSPRRGGALLEPELS
DDDRANLMWKRYLEREDSKIVDLFVGQLKSKLKCQACGYRSTTFEVFCDSLPIPKKGFAGGKVSRLRDCF
NLFTKEEELESENAPVCDRCRQKTRSTKKLTVQRFPRILVLHLNRF SASRGSIKKSSVGVDFPLQRLSLG
DFASDKAGSPVYQLYALCNHSGSVHYGHYALCRCQTGWHVYNDSRVSPVSENQVASSEGYVLFYQLMQE
PPRCL

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.
RefSeq:	NP_036607
RefSeq Size:	2217
RefSeq ORF:	1695



[View online »](#)

Synonyms: USP16; USP23

Locus ID: 27005

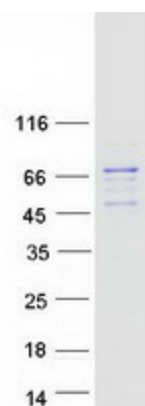
UniProt ID: [Q9UK80](#)

Cytogenetics: 1q23.3

Summary: This gene encodes a member of the C19 peptidase family, also known as family 2 of ubiquitin carboxy-terminal hydrolases. The encoded protein cleaves ubiquitin from ubiquitinated proteins for recycling in intracellular protein degradation. The encoded protein is also able to release NEDD8, a ubiquitin-like protein, from NEDD8-conjugated proteins. This gene has been referred to as USP16 and USP23 but is now known as USP21. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Feb 2016]

Protein Families: Druggable Genome, Protease

Product images:



Coomassie blue staining of purified USP21 protein (Cat# [TP310554]). The protein was produced from HEK293T cells transfected with USP21 cDNA clone (Cat# [RC210554]) using MegaTran 2.0 (Cat# [TT210002]).