

## Product datasheet for PH317069

### USP33 (NM\_201624) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	USP33 MS Standard C13 and N15-labeled recombinant protein (NP_963918)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC217069
Predicted MW:	103.1 kDa
Protein Sequence:	>RC217069 representing NM_201624 Red=Cloning site Green=Tags(s)

MSAFRNHCPHLDSVGEITKEDLIQKSLGTCQDCKVQGNLWACLNRCSYVGCESQVDHSTIHSQETKH  
YLTVNL TLRVWCYACSKVEFLDRKLGTPSLPHVRQPHQIQENSVDQFKIPSNTTLKTPLVAVFDDLDI  
EADDEDEL RARGLTGLKNIGNTCYMNAALQALSNCPLTQFFLDCGGLARTDKKPAICKSYLKLMTLWH  
KSRPGSVVPTTLFQGIKTVNPTFRGYSQQAQEFRLCLMDLLHEELKEQVMEVEEDPQTITTEETMEEDK  
SQSDVDFQSCSCSNDRAENENGRFCFSEDNNETTMLIQDDENNSEMSKDWQKEKMCNKINKVNSEGEF  
DKDRDSISETVDLNNQETVKVQIHSRASEYITDVHSNDLSTPQILPSNEGVNPRLSASPPKSGNLWPGLA  
PPHKAQASAPKRKKQHKYRSVISDIFDGTIISSVQCLTCDRVSVTLETFQDL SLP I PGKEDLAKLHSS  
SHPTSI VKAGSCGEAYAPQGWIAFFMEYVKRFV VSCVPSWFWGPPVVTLDCLAAFFARDELKGDNMYSCE  
KCKKLRNGVKFCKVQNFPEILCIHLKRFHELMFSTKISTHVSFPLEGLDLQPFLAKDSPAQIVTYDLLS  
VI CHHGTASSGHYIAYCRNLLNLYEYFDDQSVTEVSESTVQNAEAYVLFYRKSSEEAKERRRISNLLN  
IMEPSLLQFYISRQWLNKFKTFAEPGPI SNDFLCIHGGVPPRKAGYIEDLVMLPQNIWNLYSRYGGG  
PAVNHL YICHTCQIEAEKIEKRRKTELEIFIRLNRAFQKEDSPATFYCISMQWFREWESFVKGKGDGPPG  
PIDNTKIAVTKCGNVMLRQGADSGQISEETWNFLQSIYGGGPEVILRPPVVHVDPDILQAEKIEVETRS  
L

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- <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.



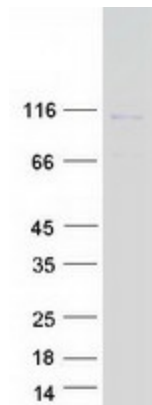
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RefSeq: [NP\\_963918](#)  
RefSeq Size: 4345  
RefSeq ORF: 2733  
Synonyms: VDU1  
Locus ID: 23032  
UniProt ID: [Q8TEY7](#)  
Cytogenetics: 1p31.1

**Summary:** This gene encodes a deubiquinating enzyme important in a variety of processes, including Slit-dependent cell migration and beta-2 adrenergic receptor signaling. The protein is negatively regulated through ubiquitination by von Hippel-Lindau tumor protein (VHL). Alternative splicing results in multiple transcript variants and protein isoforms. [provided by RefSeq, Jun 2012]

**Protein Families:** Druggable Genome, Protease

### Product images:



Coomassie blue staining of purified USP33 protein (Cat# [TP317069]). The protein was produced from HEK293T cells transfected with USP33 cDNA clone (Cat# [RC217069]) using MegaTran 2.0 (Cat# [TT210002]).