

## Product datasheet for PH316926

### USP8 (NM\_005154) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	USP8 MS Standard C13 and N15-labeled recombinant protein (NP_005145)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC216926
Predicted MW:	127.3 kDa
Protein Sequence:	>RC216926 representing NM_005154 Red=Cloning site Green=Tags(s)

MPAVASVPKELYLSSSLKDLNKKTEVKPEKISTKSYVHSALKIFKTAEECRDRDEERAYVLYMKYVTVY  
 NLIKRRPDFKQQQDYFHSILGPGNIKKAVEEAERLSESLKRYEEAEVRKKLEEKDRQEEAQRLLQQRQE  
 TGREDGGTLAKGSLLENVLDKDKTQKSNGEKNEKCEKKEGAIKELYTMMTDKNISLIIMDARRMQDY  
 QDSCILHLSVPPEEAI SPGVTASWIEAHL PDDSKDTWKKRGNVEYVLLDWFSSAKDLQIGTTLRSLKDA  
 LFKWESKTVLRNEPLVLEGGYENWLLCYPQYTTNAKVTPPPRRQNEEVSISLDFTYPSLEESIPSKPAAQ  
 TPPASIEVDENIELISGQNERMGPLNISTPVEPVAASKSDVSPIIQPVPSIKNVPQIDRTKKPAVKLPEE  
 HRIKSESTNHEQQSPQSGKVIPDRSTKPVVFSPTLMLTDEEKARIHAETALLMEKNKQEKELRERQQEEQ  
 KEKLRKEEQEQAKKKQEAENEITEKQKAKEEMEKKESEQAKKEDKETSAKRGKEITGVKRQSKSEHE  
 TSDAKKSVEDRGKRCPTPEIQKSTGDVPHTSVTGDSGSGKPFKIKGQPESGILRTGTFREDTDDTERNK  
 AQREPLTRARSEEMGRIVGPLPSGWAKFLDPITGTFRYHSPNTNVHMYPPMAPSSAPPSTPPTHKAKP  
 QIPAERDREPSKLKRSYSSPDITQAIQEEERKPTVTPTVNRNKPTCYPKAEISRLSASQIRNLNPVFG  
 GSGPALTGLRNLGNTCYMNSILQCLCNAPHLADYFNRCYQDDINRSNLLGHKGEVAEEFGIIMKALWTG  
 QYRYISPKDFKITIGKINDQFAGYSQQDSQELLLFLMDGLHEDLNKADNRKRYKEENNDHLLDDFKAAEHA  
 WQKHKQLNESIIIVALFQQGFKSTVQCLTCHKKSRTFEAFMYLSLPLASTSKCTLQDCLRLF SKEEKLTDN  
 NRFYCSHCRARRDSLKKEIWKLPVLLVHLKRF SYDGRWKQLQTSVDFPLENLDLSQYVIGPKNNLKK  
 YNLF SVSNHYGGLDGGHYTAYCKNAARQRWFKFDDHEVSDISVSSVKSSAAYILFYTSLGPRVTDVAT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

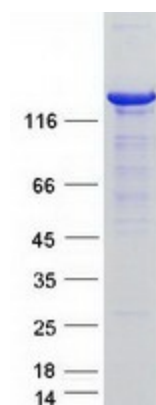
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3



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<b>Storage:</b>	Store at -80°C. Avoid repeated freeze-thaw cycles.
<b>Stability:</b>	Stable for 3 months from receipt of products under proper storage and handling conditions.
<b>RefSeq:</b>	<a href="#">NP_005145</a>
<b>RefSeq Size:</b>	4250
<b>RefSeq ORF:</b>	3354
<b>Synonyms:</b>	HumORF8; PITA4; SPG59; UBPY
<b>Locus ID:</b>	9101
<b>UniProt ID:</b>	<a href="#">P40818</a> , <a href="#">A0A024R5S4</a> , <a href="#">A8K8N5</a>
<b>Cytogenetics:</b>	15q21.2
<b>Summary:</b>	This gene encodes a protein that belongs to the ubiquitin-specific processing protease family of proteins. The encoded protein is thought to regulate the morphology of the endosome by ubiquitination of proteins on this organelle and is involved in cargo sorting and membrane trafficking at the early endosome stage. This protein is required for the cell to enter the S phase of the cell cycle and also functions as a positive regulator in the Hedgehog signaling pathway in development. Pseudogenes of this gene are present on chromosomes 2 and 6. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Sep 2013]
<b>Protein Families:</b>	Druggable Genome, Protease
<b>Protein Pathways:</b>	Endocytosis

### Product images:



Coomassie blue staining of purified USP8 protein (Cat# [TP316926]). The protein was produced from HEK293T cells transfected with USP8 cDNA clone (Cat# [RC216926]) using MegaTran 2.0 (Cat# [TT210002]).