

Product datasheet for PH326336

USP8 (NM_001128610) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	USP8 MS Standard C13 and N15-labeled recombinant protein (NP_001122082)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC226336
Predicted MW:	127.3 kDa
Protein Sequence:	>RC226336 representing NM_001128610 Red=Cloning site Green=Tags(s)

MPAVASVPKELYLSSSLKDLNKKTEVKPEKISTKSYVHSALKIFKTAEECRDRDEERAYVLYMKYVTVY
 NLIKRRPDFKQQDYFHSILGPGNIKKAVEEAERLSESLKRYEEAEVRKKLEEKDRQEEAQRLLQQRQE
 TGREDGGTLAKGSLLENVLDKDKTQKSNGEKNEKCEKKEGAIKELYTMMTDKNISLIIMDARRMQDY
 QDSCILHLSVPPEEAI SPGVTASWIEAHL PDDSKDTWKKRGNVEYVLLDWFSSAKDLQIGTTLRSLKDA
 LFKWESKTVLRNEPLVLEGGYENWLLCYPQYTTNAKVTPPPRRQNEEVSISLDFTYPSLEESIPSKPAAQ
 TPPASIEVDENIELISGQNERMGPLNISTPVEPVAASKSDVSPIIQPVPSIKNVPQIDRTKKPAVKLPEE
 HRIKSESTNHEQQSPQSGKVIPDRSTKPVVFSPTLMLTDEEKARIHAETALLMEKNKQEKELRERQQEEQ
 KEKLRKEEQEQAKKKQEAENEITEKQQKAKEEMEKKESEQAKKEDKETSAKRGKEITGVKRQSKSEHE
 TSDAKKSVEDRGKRCPTPEIQKSTGDVPHTSVTGDGSGGKPFKIKGQPESGILRTGTFRDTRDTERNK
 AQREPLTRARSEEMGRIVGPLPSGWAKFLDPITGTFRYYHSPTNTVHMYPPMAPSSAPPSTPPTHKAKP
 QIPAERDREPSKLKRSYSSPDITQAIQEEERKPTVTPTVNRNKPTCYPKAEISRLSASQIRNLNPVFG
 GSGPALTGLRNLGNTCYMNSILQCLCNAPHLADYFNRCYQDDINRSNLLGHKGEVAEEFGIIMKALWTG
 QYRYISPKDFKITIGKINDQFAGYSQQDSQELLLFLMDGLHEDLNKADNRKRYKEENNDHLLDDFKAAEHA
 WQKHKLNESIIIVALFQQGFKSTVQCLTCHKKSRTFEAFMYLSLPLASTSKCTLQDCLRLF SKEEKLTDN
 NRFYCSHCRARRDSLKKEIWKLPVLLVHLKRF SYDGRWKQLQTSVDFPLENLDLSQYVIGPKNNLKK
 YNLF SVSNHYGGLDGGHYTAYCKNAARQRWFKFDDHEVSDISVSSVKSSAAYILFYTSLGPRVTDVAT

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

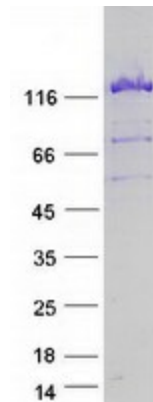
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3



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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_001122082
RefSeq ORF:	3354
Synonyms:	HumORF8; PITA4; SPG59; UBPY
Locus ID:	9101
UniProt ID:	P40818 , A0A024R5S4
Cytogenetics:	15q21.2
Summary:	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]
Protein Families:	Druggable Genome, Protease
Protein Pathways:	Endocytosis

Product images:



Coomassie blue staining of purified USP8 protein (Cat# [TP326336]). The protein was produced from HEK293T cells transfected with USP8 cDNA clone (Cat# [RC226336]) using MegaTran 2.0 (Cat# [TT210002]).