

Product datasheet for TP316926

USP8 (NM_005154) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human ubiquitin specific peptidase 8 (USP8), transcript variant 1, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC216926 representing NM_005154 Red =Cloning site Green =Tags(s)

MPAVASVPKELYLSSSLKDLNKKTEVKPEKISTKSYVHSALKIFKTAEECRDRDEERAYVLYMKYVTVY
 NLIKKRPDFKQQDYFHSILGPGNIKAVEEAERLSESLKLYEEAEVRKKLEEKDRQEEAQLQKQRQE
 TGREDGGTLAKGLENVLDSDKDTQKSNGEKNEKCEKGAITAKELYTMMTDKNISLIIMDARRMQDY
 QDSCILHSLVPEEAISPGVTASWIEAHLPPDDSKDTWKKRGNVEYVLLDWFFSAKDLQIGTTLRSLKDA
 LFKWESKTVLRNEPLVLEGGYENWLLCYPQYTTNAKVTPPPRRQNEEVSISLDFTYPSLEESIPSKPAAQ
 TPPASIEVDENIELISGQNERMGPLNISTPVEPVAASKSDVSPHQPVPVSIKPNVQIDRTKKPAVKLPEE
 HRIKSESTNHEQQSPQSGKVIPDRSTKPVVFSPTLMLTDEEKARIHAETALLMEKNKQEKELRERQQEEQ
 KEKLRKEEQEQKAKKKQEAENEITEKQKAKEEMEKKESEQAKKEDKETSARKGKEITGVKRQSKSEHE
 TSDAKKSVEDRGKRCPTPEIQKSTGDVPHTSVTGDSGSGKPFKIKGQPESGILRTGTFREDTDDTERNK
 AQREPLTRARSEEMGRIVPGLPSGWAKFLDPITGTFRYHSPNTVHMYPEMAPSSAPPSTPPTHKAKP
 QIPAERDREPSKLRSSPDITQAIQEEERKPTVTPTVNRENKPTCYPKAEISRLSASQIRNLNPVFG
 GSGPALTGLRNLGNTCYMNSILQCLCNAPHLADYFNRCYQDDINRSNLLGHKGEVAEEFGIIMKALWTG
 QYRYISPKDFKITIGKINDQFAGYSQQDSQELLLFLMDGLHEDLNKADNRKRYKEENNDHLDDFKAEEHA
 WQKHKQLNESIIVALFQGQFKSTVQCLTCHKKSRTFEAFMYLSLPLASTSKCTLQDCLRLFSKEEKLTDN
 NRFYCCHCRARRDSLKKIEIWKLPVLLVHLKRFSDGRWKQKLQTSVDFPLENLDLSQYVIGPKNNLKK
 YNLFVSNSHYGGLDGGHYTAYCKNAARQRWFKFDDHEVSDISVSVKSSAAYILFYTSLGPRVTDVAT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

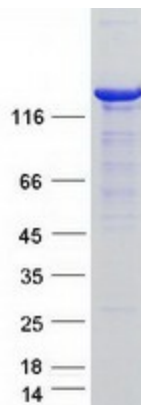
Tag:	C-Myc/DDK
Predicted MW:	127.3 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



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Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_005145</u>
Locus ID:	9101
UniProt ID:	<u>P40818</u> , <u>A0A024R5S4</u> , <u>A8K8N5</u>
RefSeq Size:	4250
Cytogenetics:	15q21.2
RefSeq ORF:	3354
Synonyms:	HumORF8; PITA4; SPG59; UBPY
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# TP316926). The protein was produced from HEK293T cells transfected with USP8 cDNA clone (Cat# [RC216926]) using MegaTran 2.0 (Cat# [TT210002]).