

Product datasheet for **TP313986M**

USP7 (NM_003470) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins
Description: Recombinant protein of human ubiquitin specific peptidase 7 (herpes virus-associated) (USP7), 100 µg
Species: Human
Expression Host: HEK293T
Expression cDNA Clone or AA Sequence: >RC213986 representing NM_003470
Red=Cloning site Green=Tags(s)

MNHQQQQQQKAGEQQLSEPEDMEMEAGDTPPPRITQNPVINGNVALSDGHNTAEEDMEDDTSWRSEAT
 FQFTVERFSRLSESVLSPPCFVRNLPWKIMVMPRFYPDRPHQKSVGFFLQCNAESDSTSWSCHAQAVLKI
 INYRDDEKFSRRISHLFFHKENDWGFSNFMWSEVTDPEKGFIDDDKVTFEVQADAPHGVAWDSKKH
 TGYVGLKNQGATCYMNSLLQTLFFTNQLRKAVYMMPTEGDSSKSVPLALQRVFVELQHSKDPVGTGKLT
 KSFGWETLDSFMQHDVQELCRVLLDNVENKMKGTCEVTIPKLFGRKMVSYIQCKEVDYRSDRREDDYDI
 QLSIKGKKNIFESFVDYVAVEQLDGDNKYDAGEHGLQEAEGVKFLTLPPVLHLQLMRMYDPQTDQNIK
 INDRFEFPEQLPLDEFQKTDPKDPANYILHAVLVHSGDNHGGHYVYLNPKGDGKWKCFDDDDVSRCTK
 EEAEIHNYGGHDDDLVSRHCTNAYMLVYIRESKLSSEVLQAVTDHDIPQQLVERLQEEKRIEAQKRKERQE
 AHLVMQVQIVAEDQFCGHQGNMYDEEKVYTVFKVLKNSSLAEFVQLSQTMGFQDQIRLWPMQARSN
 GTKRPAMLDNEADGNKTMIELSDNENPWTIFLETVDPELAASGATLPKFDKDHVMLFLKMYDPKTRSLN
 YCGHIYTPISCKIRDLLPVMCDRAGFIQDTSLLIYEEVKNLTERIQDYDVS LDKALDELMDGDIIVFQK
 DDPENDNSELPTAKEFRDLYHRVDVIFCDKTI PNDPGFVVTLSNRMNYFQVAKTVAQRLNTDPMLLQFF
 KSQGYRDGPGNPLRHNYEGTLRDLLQFFKPRQPKKLYYQQLKMKITDFENRRSFKCIWLN SQFREEEITL
 YPDKHGCVRDLLEECKKAVELGEKASGKRLLEIVSYKIIGVHQEDELLECLSPATSRTRFRIEIEIPLDQV
 DIDKENEMLVVAHFHKEVFGTFGIPFLLRIHQGEHFREVMKRIQSLLDIQEKEFEKFKFAIVMMGRHQY
 INEDEYEVNLKDFEPQPGNMSHPRPWLGLDHFNKAPKRSRYTYLEKAIKIHN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

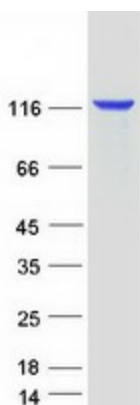
Tag: C-Myc/DDK
Predicted MW: 128.1 kDa
Concentration: >0.05 µg/µL as determined by microplate BCA method
Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



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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:	NP_003461
Locus ID:	7874
UniProt ID:	Q93009 , Q6U8A4
RefSeq Size:	4022
Cytogenetics:	16p13.2
RefSeq ORF:	3306
Synonyms:	HAFOUS; HAUSP; TEF1
Summary:	The protein encoded by this gene belongs to the peptidase C19 family, which includes ubiquitinyl hydrolases. This protein deubiquitinates target proteins such as p53 (a tumor suppressor protein) and WASH (essential for endosomal protein recycling), and regulates their activities by counteracting the opposing ubiquitin ligase activity of proteins such as HDM2 and TRIM27, involved in the respective process. Mutations in this gene have been implicated in a neurodevelopmental disorder. [provided by RefSeq, Mar 2016]
Protein Families:	Druggable Genome, Protease

Product images:



Coomassie blue staining of purified USP7 protein (Cat# [TP313986]). The protein was produced from HEK293T cells transfected with USP7 cDNA clone (Cat# [RC213986]) using MegaTran 2.0 (Cat# [TT210002]).