

Product datasheet for TP317820

C14orf102 (NM_199043) Human Recombinant Protein

Product data:

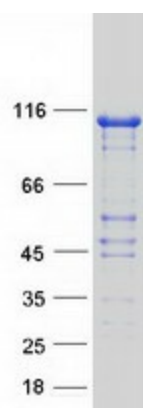
Product Type:	Recombinant Proteins
Description:	Recombinant protein of human chromosome 14 open reading frame 102 (C14orf102), transcript variant 2, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC217820 representing NM_199043 Red=Cloning site Green=Tags(s)
	<p>MALFPAFAGLSEAPDGGSSRKELDWLSNPSFCVGSITSLSQQTEAAPAHVSEGLPLTRSHLKSESSDESD TNKKLKQTSRKKKKEKKKKRKHQHKKTKRKHGPPSSSRSETDTDSEKDKPSRGVGGSKKESEEPNQGN AAADTGHRFWLEDIQAVTGETFRDTPANWEYKSLYRGDIARYKRKGDSCLGINPKKQCISWEGTS TEKKHSRKQVERYFTKKSGLMNIDGVAISSKTEPPSSEPIFIPVKDLEDAAPVTTWLNPLGIYDQSTT HWLQGGPPEQESKQPDAPDSESAALKAKVEEFNRRVRENPRDTQLWMAFVAFQDEVKSPGLYAIIEG EQEKRRSLKLEKLAILEKLAIESNQSSVDLKLAKLKLCTEFWEPSTLVKEWQKLIFLHPNNTALWQK YLLFCQSQFSTFSISKIHSLYGKCLSTLSAVKDGSLSHPALPGTEAMFALFLQQCHFLRQAGHSEKAI SLFQAMVDFTFFKPDVSKDLPTKGQVEFFEPFWDSEPRAGEKARGWKAWMHQQRGGWVWINPDEDDD EPEEDDQEIKDCTLPRWQIWLAAERSRDRHWRPWRPDKTKKQTEEDCEDPERQVLFDDIGQSLRLSSH DLQFQLVEAFLQFLGVPSTPPASCLYLAMDENSIFDNGLYDEKPLTFNPLFSGASCVGRMDRLGYPR WTRGQNREGEEFIRNVFHLVMPFLFSGKEKSQLCFSWLQYEIAKVIWCLHTKNKRLKSQGNCKKLAKNL LKEPENCNFFLWKQYAHLEWLLGNTEDARKVFDALGMAGSRELKDSDLCELSLLYAELEVELSPEVRR AATARAVHILTKLESPYGPYTGQVLAVHILKARKAYEHALQDCLGDSVSNPAPTDCSRLISLAKCF MLFQYLTIGIDAAVQIYEQVFAKLNSSVFPEGSSEGGDSASSQSWTSVLEAITLMHTSLLRFHMKVSVYPL APLREALSQALKLYPGNQVLWRSYVQIQNKSHSASKTRRRFFDTITRSKPLEPWLFAIEAEKLRKRLVET VQRLDGREIHATIPETGLMHRIQALFENAMRSDSGSQCPDLLWRMYLNFVLSLGNKERSKGVFYKALQSCP WAKVLYLDAVEYFPDEMQEILDLMTEKELRVRLPLEEELLED</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-Myc/DDK
Predicted MW:	106.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining



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Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
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_950244
Locus ID:	55051
UniProt ID:	Q9H7Z3
RefSeq Size:	3480
Cytogenetics:	14q32.11
RefSeq ORF:	2802
Synonyms:	FLJ10008; FLJ14051
Summary:	Protein of the nuclear speckles that regulates RNA degradation and export from the nucleus through its interaction with MTREX an essential factor directing various RNAs to exosomal degradation (PubMed:30842217). Changes the conformation of MTREX, precluding its association with the nuclear exosome and interaction with proteins required for its function in RNA exosomal degradation (PubMed:30842217). Negatively regulates, for instance, the degradation of mRNAs and lncRNAs by inhibiting their MTREX-mediated recruitment to nuclear exosome (PubMed:30842217). By preventing the degradation of RNAs in the nucleus, it promotes their export to the cytoplasm (PubMed:30842217).[UniProtKB/Swiss-Prot Function]

Product images:



Coomassie blue staining of purified C14orf102 protein (Cat# TP317820). The protein was produced from HEK293T cells transfected with C14orf102 cDNA clone (Cat# [RC217820]) using MegaTran 2.0 (Cat# [TT210002]).