

Product datasheet for **TP317652M**

CARD10 (NM_014550) Human Recombinant Protein

Product data:

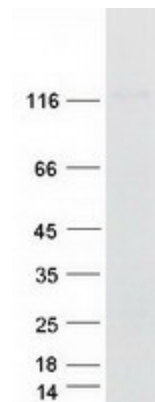
Product Type:	Recombinant Proteins
Description:	Recombinant protein of human caspase recruitment domain family, member 10 (CARD10), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC217652 representing NM_014550 Red =Cloning site Green =Tags(s)
	MPGRAEAGEAEEEEAGAGSGSEAEEDALWERIEGVRHRLARALNPAKLTPYLRQCRVIDEQDEEEVLSTYR FPCRVNRTGRLMDILRCRGKRGYEAFLAEFYYPEHFTLLTGQEPAQRCSMILDEEGPEGLTQFLMTEV RRLREARKSQLQREQQLQARGRVLEEERAGLEQRLRDQQAQERCQRLREDWEAGSLELLRLKDENYMI A MRLAQLSEEKNSAVLRSRDLQLAVDQLKLKVSRLLEECCALLRRARGPPPGAAEEKEKEKEKEPDNVDLV SELRAENQRLTASLRELQEGLLQEQASRPGAPGSERILLDILEHDWREAQDSRQELCQKLHAVQGELQWAE ELRDQYLQEMEDLRLKHRTLQKDCDLYKHRMATVLAQLEEIEKERDQAIQSRDRIQLQYSQSLEIKDQYR KQVRGLEAERDELLTTLTSLEGTALLEVQLQRAQGGTCLKACASSHSLCSNLSSTWSLSEFPSPLGGPE ATGEAAVMGGPEPHNSEATDSEKEINRLSILFPFPPSAGSILRRQREEDPAPPKRSFSSMSDITGSVTLK PWSPGLSSSSSSSDSVWPLGKPEGLLARGCGLDFLNRSLAIRVSGRSPPGGPEPDGKGPDGLSFYGDWRWSG AVVRRVLSGPGSARMEPREQRVEAAGLEGACLEAEAQQRTLLWNQGSTLPSLMSDKACQSFHEALEAWA K GPGAEPFYIRANLTLPERADPHALCVKAQEILRLVDSAYKRRQEWFCRTRVDPLTLRDLDRGTVPNYQRAQ QLLEVQEKCLPSSRHRGPRSNLKKRALDQLRLVRPKVGPAGDSDPDQLLEPCAEPERSLRPYSLVRL LVSALRPVLLPECLAPRLIRNLLDLPSSRLDFQVCPAESLSGEELCPSSAPGAPKAQPATPGLGSRIA IQESVGKKHCLLELGARGVRELQVNEIYPIVHVEVTEKNVREVRGLLGRPGWRDSELLRQCRGSEQVLW GLPCSWVQVPAHEWGHAEELAKVVRGRILQEQRALVWVECGSSRGCPSSSEA TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	115.8 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_055365
Locus ID:	29775
UniProt ID:	Q9BWT7
RefSeq Size:	3912
Cytogenetics:	22q13.1
RefSeq ORF:	3096
Synonyms:	BIMP1; CARMA3
Summary:	The caspase recruitment domain (CARD) is a protein module that consists of 6 or 7 antiparallel alpha helices. It participates in apoptosis signaling through highly specific protein-protein homophilic interactions. Like several other CARD proteins, CARD10 belongs to the membrane-associated guanylate kinase (MAGUK) family and activates NF-kappa-B (NFkB; see MIM 164011) through BCL10 (MIM 603517) (Wang et al., 2001 [PubMed 11259443]).[supplied by OMIM, Mar 2008]

Product images:



Coomassie blue staining of purified CARD10 protein (Cat# TP317652J). The protein was produced from HEK293T cells transfected with CARD10 cDNA clone (Cat# RC217652J) using MegaTran 2.0 (Cat# TT210002J).