

Product datasheet for **TP309653**

C5orf45 (MRNIP) (NM_016175) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human chromosome 5 open reading frame 45 (C5orf45), transcript variant 1, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC209653 protein sequence Red =Cloning site Green =Tags(s)
	MASLQRSRVLRCSCRLFQAHQVKKSVKWTCKACGKQSFQAYGEGSGADCRRHVQKLNLLQGQVSELP LRSLEETVSASEEENVGHQQAGNVKQQEKSQPSESRWLKYLEKDSQELELEGTGVCFSKQPSSKMEEPPG RFSQDLPRKRKWSGSTVQPPCSRGVQDSGGSEVAWGPQKGQAGLTWKVKQGSSPCLQENSADCSAGELRG PGKELWSPIQQVTATSSKWAQFVLPKRKSSHVDSEQPRSLQRDPRPAGPAQAKQGTTPRAQASREGLSRPT AAVQLPRATHPVTSGSERPCGKTSWDARTPWAEGGPLVLEAQNPRPTRLCDLFDITGEDFDDDDV TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	37.6 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
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_057259
Locus ID:	51149



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UniProt ID: [Q6NTE8](#)

RefSeq Size: 1229

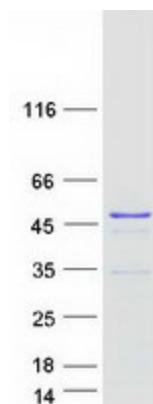
Cytogenetics: 5q35.3

RefSeq ORF: 1029

Synonyms: C5orf45

Summary: Plays a role in the cellular response to DNA damage and the maintenance of genome stability through its association with the MRN damage-sensing complex (PubMed:27568553). Promotes chromatin loading and activity of the MRN complex to facilitate subsequent ATM-mediated DNA damage response signaling and DNA repair (PubMed:27568553).[UniProtKB/Swiss-Prot Function]

Product images:



Coomassie blue staining of purified MRNIP protein (Cat# TP309653). The protein was produced from HEK293T cells transfected with MRNIP cDNA clone (Cat# [RC209653]) using MegaTran 2.0 (Cat# [TT210002]).