

Product datasheet for **TP319046**

C11orf85 (MAJIN) (NM_001037225) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human chromosome 11 open reading frame 85 (C11orf85), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC219046 protein sequence Red =Cloning site Green =Tags(s)
	MSLKPFYTPFPETRFLHAGPNVYKFKIRYGKSIRGEEIENKEVITQELEDVSRVVLGNLDNLQPFATEHF IVFPYKSKWERSHLKFKHGEIILIPYFVFTLYVEMKWFHENLSPGKPISDSPLGLVPVEKKAVGAVMR KRKHMDEPSSPSRPGLDRIGKEKPNKDCRRLWPLISLMSRNKILSGDTACQGELSHPCSTTHLHLRSEQP PASLGF
	TR TRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	24.6 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:	<u>NP_001032302</u>
Locus ID:	283129
UniProt ID:	<u>Q3KP22</u>



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RefSeq Size: 1291

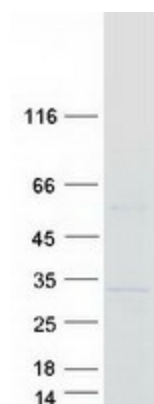
Cytogenetics: 11q13.1

RefSeq ORF: 648

Synonyms: C11orf85

Summary: Meiosis-specific telomere-associated protein involved in meiotic telomere attachment to the nucleus inner membrane, a crucial step for homologous pairing and synapsis. Component of the MAJIN-TERB1-TERB2 complex, which promotes telomere cap exchange by mediating attachment of telomeric DNA to the inner nuclear membrane and replacement of the protective cap of telomeric chromosomes: in early meiosis, the MAJIN-TERB1-TERB2 complex associates with telomeric DNA and the shelterin/telosome complex. During prophase, the complex matures and promotes release of the shelterin/telosome complex from telomeric DNA. In the complex, MAJIN acts as the anchoring subunit to the nucleus inner membrane. MAJIN shows DNA-binding activity, possibly for the stabilization of telomere attachment on the nucleus inner membrane.[UniProtKB/Swiss-Prot Function]

Product images:



Coomassie blue staining of purified MAJIN protein (Cat# TP319046). The protein was produced from HEK293T cells transfected with MAJIN cDNA clone (Cat# [RC219046]) using MegaTran 2.0 (Cat# [TT210002]).