

## Product datasheet for **TP514597**

### Majin (NM\_001165919) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse membrane anchored junction protein (Majin), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR214597 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	MSLKPFYTPFPETRFLHAGPNVYKFKIRYGNISIRGEEIEDKEVIVQELEDSSIRAVLANMDSLQPFVTEHF IVFPYKSKWERSHLKFKHGESILTPYPFVFTLYIEMKWFAEDLPSGKPADDIPELVLAETEAEEATMR KWKRKLMEEPSSPSRQGPRAKMETSSSEASSNKKPLKESKRSRDEEAQQEYQDTPASNAIAVKEQDAALG HGLQGLVVPPLQHSSPPPLKEPGARGFLGFLSALFPFRYFFKSGQ
	<b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-MYC/DDK
Predicted MW:	29.2 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
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 after receiving vials.
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><a href="#">NP_001159391</a></u>
Locus ID:	622554
UniProt ID:	<u><a href="#">Q9D992</a></u>
RefSeq Size:	1613



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**Cytogenetics:** 19 A

**RefSeq ORF:** 768

**Synonyms:** 1700123I01Rik

**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]