

## Product datasheet for **TP301331M**

### Kaptin (KPTN) (NM\_007059) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human kaptin (actin binding protein) (KPTN), 100 µg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone  
or AA Sequence:** >RC201331 protein sequence  
**Red**=Cloning site **Green**=Tags(s)

MMGEAAVAAGPCPLREDSFTRFSSQSNVYGLAGGAGGRGELLAATLKGKVLGFRYQDLRQKIRPVAKELQ  
FNYIPVDAEIVSIDTFNKSPKRGVLVVGITFIKDSGDKGSPFLNIYCDYEPGSEYNLDSIAQSCLNLELQ  
FTPFQLCHAEVQVGDQLETVFLLSGNDPAIHLYKENEGHLHQFEEQPVENLFPELTNLTSSVLWLDVHNFP  
GTSRRLSALGCQSGYVRVAHVDQRSREVLQMWVLQDGPISRIVVFLSAAKETKDRPLQDEYSVLVASM  
LEPAWYRDLLNRGLEDQLLLPGSDQFDSVLCSLVTDVDLDGRPEVLVATYQCELLCYKIRGPESGLPEA  
QHGFHLLWQRSFSSPLLAMAHVDLTGDGLQELAVSLKGVHILQHSLIQASELVLTRLRHQVEQRRRLQ  
GLEDGAGAGPAENAAS

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-Myc/DDK

**Predicted MW:** 47.9 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\\_008990](#)

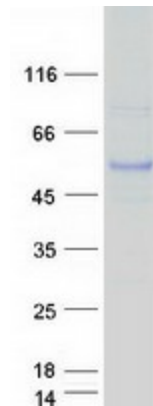


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Locus ID: 11133  
UniProt ID: [Q9Y664](#)  
RefSeq Size: 1719  
Cytogenetics: 19q13.32  
RefSeq ORF: 1308  
Synonyms: 2E4; KICS4; MRT41

**Summary:** This gene encodes a filamentous-actin-associated protein, which is involved in actin dynamics and plays an important role in neuromorphogenesis. This protein is part of the KICSTOR protein complex that localizes to lysosomes. Mutations in this gene result in an autosomal recessive form of intellectual disability. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jul 2017]

### Product images:



Coomassie blue staining of purified KPTN protein (Cat# [TP301331]). The protein was produced from HEK293T cells transfected with KPTN cDNA clone (Cat# [RC201331]) using MegaTran 2.0 (Cat# [TT210002]).