

Product datasheet for TP301331L

Kaptin (KPTN) (NM_007059) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human kaptin (actin binding protein) (KPTN), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC201331 protein sequence Red =Cloning site Green =Tags(s)
	<p>MMGEAAVAAGPCPLREDSFTRFSSQSNVYGLAGGAGGRGELLAATLKGKVLGFRYQDLRQKIRPVAKELQ FNYIPVDAEIVSIDTFNKSPPKRGLVVGITFIKDSGDKGSPFLNIYCDYEPGSEYNLDSIAQSCLNLELQ FTPFQLCHAEVQVGDQLETVFLLSGNDPAIHLYKENEGLHQFEEQPVENLFPELTNLTSSVLWLDVHNFP GTSRRLSALGCQSGYVRVAHVDQRSREVLQMWVLQDGPISRIVVFLSAAKETKDRPLQDEYSVLVASM LEPAWYRDLLNRGLEDQLLLPGSDQFDSVLCSLVTDVDLDGRPEVLVATYQCELLCYKIRGPESGLPEA QHGFHLLWQRSFSSPLLAMAHVDLTGDGLQELAVSLKGVHILQHSLIQASEVLTRLRHQVEQRRRLQ GLEDGAGAGPAENAAS</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
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:	<u>NP_008990</u>



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Locus ID: 11133

UniProt ID: [Q9Y664](#)

RefSeq Size: 1719

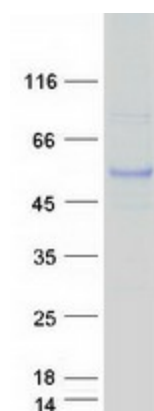
Cytogenetics: 19q13.32

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]).