

Recombinant Human KPTN Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. KPTN-4089H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	KPTN MS Standard C13 and N15-labeled recombinant protein (NP_008990) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	48.1 kDa
AA Sequence	MMGEAAVAAGPCPLREDSFTRFSSQSNVYGLAGGAGGRGELLAATLKGVLGFRY QDLRQKIRPVAKELQFNYPVDAEIVSIDTFNKSPPKRGLVVGITFIKDSGDKGSPFLNI YCDYEPGSEYNLDSIAQSCNLNLELQFTPFQLCHAEVQVGDQLETVFLLSGNDPAIHL YKENEGLHQFEEQPVENLFPELTNLTSSVLWLDVHNFPGTSRRLSALGCQSGYVRV AHVDQRSREVLQMWSVLQDGPISRVIVFSLSAKETKDRPLQDEYSVLVASMLEPA VVYRDLLNRGLEDQLLLPGSDQFDSVLCSLVTDVDLDGRPEVLVATYGQELLCYKY RGPESGLPEAQHGFHLLWQRSFSSPLLAMAHVDLTGDGLQELAVVSLKGVHILQHS LIQASELVLTRLRHQVEQRRRRLQGLEDGAGAGPAENAASTRTRPLEQKLISEEDLA

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

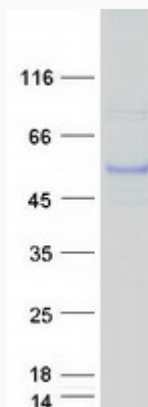
GENE INFORMATION

Gene Name	KPTN kaptin, actin binding protein [Homo sapiens (human)]
Official Symbol	KPTN
Synonyms	KPTN; kaptin (actin binding protein); kaptin; 2E4; actin-associated protein 2E4; kaptin (actin-binding protein);
Gene ID	11133
mRNA Refseq	NM_007059
Protein Refseq	NP_008990
MIM	615620
UniProt ID	Q9Y664

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SDS-PAGE

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