

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

MMGEAAVAAGPCPLREDSFTRFSSQSNVYGLAGGAGGRGELLAATLKGVVLFGRY
 QDLRQKIRPVAKELQFNYPVDAEIVSIDTFNKSPPKRGLVVGITFIKDSGDKGSPFLNI
 YCDYEPGSEYNLDSIAQSCNLELQFTPFQLCHAEVQVGDQLETVFLLSGNDPAIHL
 YKENEGLHQFEEQPVENLFPELTNLTSSVLWLDVHNFPGTSRRLSALGCQSGYVVRV
 AHVDQRSREVLQMWSVLQDGPISRVIVFSLSAAKETKDRPLQDEYSVLVASMLEPA
 VVYRDLLNRGLEDQLLLPGSDQFDSVLCSLVTDVLDGRPEVLVATYGQELLCKYK
 RGPEGLPEAQHGFHLLWQRSFSSPLLAMAHVDLTGDGLQELAVVSLKGVHILQHS
 LIQASELVLTRLRHQVEQRRRRLQGLEDGAGAGPAENAASTRTRPLEQKLISEEDLA

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ANDILDYKDDDDKV

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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