

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

Cat. No. RAPSN-4313H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	RAPSN MS Standard C13 and N15-labeled recombinant protein (NP_005046) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a member of a family of proteins that are receptor associated proteins of the synapse. The encoded protein contains a conserved cAMP-dependent protein kinase phosphorylation site, and plays a critical role in clustering and anchoring nicotinic acetylcholine receptors at synaptic sites by linking the receptors to the underlying postsynaptic cytoskeleton, possibly by direct association with actin or spectrin. Mutations in this gene may play a role in postsynaptic congenital myasthenic syndromes. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.
Molecular Mass	46.1 kDa
AA Sequence	MGQDQTKKQIEKGLQLYQSNQTEKALQVWTKVLEKSSDLMGRFRVLGCLVTAHSE MGRYKEMLKFAVVQIDTARELEDADFLLESYLNARSNEKLCEFHKTI SYCKTCLGLP GTRAGALGGQVSLSMGNAFLGLSVFQKALESFEKALRYAHNNDAMLECRVCCS LGSFYAQVKDYEKALFFPCKAAELVNNGYKKGWSLKYRAMSQYHMAVAYRLLGRLG SAMECCCEESMKIALQHGDRLPLQALCLLCFADIHRSRGDLETAFPRYDSAMSIMTEIG

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NRLGQVQALLGVAKCWVARKALDKALDAIERAQDLAEEVGNKLSQLKLHCLSESIYR
SKGLQRELRAHVVRFHCEVEETELYCGLCGESIGEKNSRLQALPCSHIFHLRCLQNN
GTRSCPNCRRSSMKPGFVTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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 RAPSN receptor-associated protein of the synapse [Homo sapiens (human)]

Official Symbol RAPSN

Synonyms RAPSN; receptor-associated protein of the synapse; receptor associated protein of the synapse, 43kD; 43 kDa receptor-associated protein of the synapse; CMS1D; CMS1E; rapsyn; RNF205; RING finger protein 205; 43 kda postsynaptic protein; acetylcholine receptor-associated 43 kda protein; RAPSYN; MGC3597;

Gene ID 5913

mRNA Refseq NM_005055

Protein Refseq NP_005046

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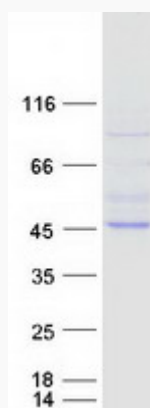
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MIM 601592

UniProt ID Q13702

SDS-PAGE



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