

## Product datasheet for TP322710

### Rapsyn (RAPSN) (NM\_005055) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human receptor-associated protein of the synapse (RAPSN), transcript variant 1, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC222710 representing NM_005055 Red=Cloning site Green=Tags(s)

MGQDQTKKQIEKGLQLYQSNQTEKALQVWTKVLEKSSDLMGRFRVLGCLVTAHSEMGRYKEMLKFAVVQI  
DTARELEDADFLLESYLNARSNEKLCFHKTSYCKTCLGLPGTRAGAQLGGQVLSMGNAFLGLSVFQ  
KALESFEKALRYAHNNDDAMLECRVCCSLGSFYAQVKDYEKALFFPCKAAELVNNYKKGWSLKYRAMSQY  
HMAVAYRLLGRLGSAMECCESMKIALQHGRPLQALCLLCFADIHRSRGDLETAFPRYDSAMSIMTEIG  
NRLGQVQALLGVAKCWVARKALDKALDAIERAQDLAEVGNKLSQLKLHCLSESIYRSKGLQRELRAHVV  
RFHECVEETELYCGLCGESIGEKNSRLQALPCSHIFHLRCLQNGTRSCPNCRSSMKPGFV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	46.1 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><a href="#">NP_005046</a></u>



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Locus ID: 5913

UniProt ID: [Q13702](#), [A0A0S2Z4F8](#)

RefSeq Size: 1664

Cytogenetics: 11p11.2

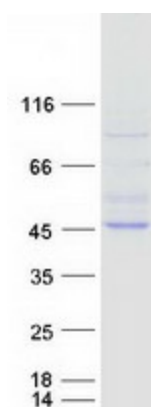
RefSeq ORF: 1236

Synonyms: CMS4C; CMS11; FADS; FADS2; RAPSYN; RNF205

**Summary:** 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. [provided by RefSeq, Apr 2011]

**Protein Families:** Druggable Genome

### Product images:



Coomassie blue staining of purified RAPSIN protein (Cat# TP322710). The protein was produced from HEK293T cells transfected with RAPSIN cDNA clone (Cat# [RC222710]) using MegaTran 2.0 (Cat# [TT210002]).