

Product datasheet for PH322710

Rapsyn (RAPSN) (NM_005055) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	RAPSN MS Standard C13 and N15-labeled recombinant protein (NP_005046)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC222710
Predicted MW:	46.1 kDa
Protein Sequence:	>RC222710 representing NM_005055 Red=Cloning site Green=Tags(s)

MGQDQTKKQIEKGLQLYQSNQTEKALQVWTKVLEKSSDLMGRFRVLGCLVTAHSEMGRYKEMLKFAVVQI
DTARELEDADFLLESYLNLRARSNEKLCFHKTI SYCKTCLGLPGTRAGAQLGGQVSLSMGNAFLGLSVFQ
KALESEKALRYAHNDDAMLECRVCCSLGSFYAQVKDYEKALFFPCKAAELVNNYGKGSWLSKYRAMSQY
HMAVAYRLLGRLGSAMECCSESMKIALQHGRPLQALCLLFCFADIHRSGDLETAFFRYDSAMSIMTEIG
NRLGQVQALLGVAKCWVARKALDKALDAIERAQLAAEEVGNKLSQLKLHCLSESIYRSKGLQRELRAHVV
RFHECVEETELYCGLCGESIGEKNSRLQALPCSHIFHLRCLQNNGTRSCPNCRSSMKPGFV

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_005046</u>
RefSeq Size:	1664
RefSeq ORF:	1236
Synonyms:	CMS4C; CMS11; FADS; FADS2; RAPSYN; RNF205
Locus ID:	5913



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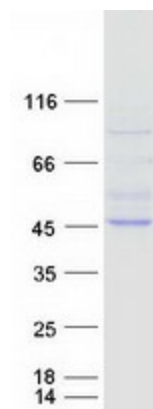
UniProt ID: [Q13702](#), [A0A0S2Z4F8](#)

Cytogenetics: 11p11.2

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]).