9051 Mira Mesa Blvd, #910094
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RAPSN Mouse

Receptor-Associated Protein Of The Synapse Mouse Recombinant
RCP1812

Product Overview

Name	RAPSN Mouse
Description	
Receptor-Associated Protein Of The Synapse Mouse Recombinant	
Accession (Primary)	P12672
Synonyms	
Receptor-Associated Protein Of The Synapse, 43 KDa Postsynaptic Protein, Acetylcholine Receptor-Associated 43 KDa Protein, RNF205, RING Finger Protein 205, rapsyn, Receptor-Associated Protein Of The Synapse, 43Kd, 43 KDa Receptor-Associated Protein Of The Synapse, RAPSYN, RAPsyn, CMS1D, CMS1E.	
Introduction	
43 kDa receptor-associated protein of the synapse (RAPSN), is expressed in the postsynaptic membrane of skeletal muscle. RAPSN is essential for the clustering of nicotinic acetylcholine receptors (nAChR). In addition RAPSN self-associates via at least two of its seven tetra-tricopeptide repeats (TPRs). RAPSN interacts with the large intracellular domain of the nAChR a subunit all the way through the hydrophobic surface of the coiled-coil domain. RAPSN modifies trafficking of AChR within the cell. Overexpression inhibits agrin-induced AChR clustering pathway. RAPSN also plays a role in postsynaptic congenital myasthenic syndromes.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered clear solution.	
Formulation	
RAPSN protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please avoid freeze thaw cycles.	
Purity	
Greater than 85% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGS MGQDQTK QQIEKGLQLY QSNQTEKALQ VWMKVLEKGS DLVGRFRVLG	

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CLVTAHSEMG RYKEMLKFAV VQIDTARGLE DADFLLESYL NLARSNEKLC EFHKTISYCK TCLGLPGTRA GAQLGGQVSL SMGNAFLGLS LFQKALESFE KALRYAHNND DTMLECRVCC SLGSFYAQVK DYEKALFFPC KAAELVNDYG KGWSLKYRAM SQYHMAVAYR LLGHLGSAME CCEESMKIAL QHGDRPLQAL CLLCFADIHR SRGDLETAFP RYDSAMSIMT EIGNRLGQVH VLLGVAKCWM ARKVQDKALD AIEKAQDLAE EVGNKLSQLK LHCLSESIYR SKGLQRELRT HVVRFHECVE ETELYCGLCG ESIGERNSRL QALPCSHIFH LRCLQNNGTR SCPNCRRSSM KPGFV

Precautions

RAPSN Mouse is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P12672)