32-4605: Recombinant Mouse Receptor-Associated Protein Of The Synapse

Alternative Name : 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 O

Description

Source : Escherichia Coli. RAPSN Mouse Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 435 amino acids (1-412aa) and having a molecular mass of 48.8kDa.RAPSN is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. 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.

Product Info

Amount :	20 µg
Purification :	"Greater than 85% as determined by SDS-PAGE."
Content :	RAPSN protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.
Storage condition :	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.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MGSMGQDQTK QQIEKGLQLY QSNQTEKALQ VWMKVLEKGS DLVGRFRVLG 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