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RAPSN, 1-412aa, Mouse, His tag, E.coli

产品货号: TP03678

第三版

别名:43 kDa receptor-associated protein of the synapse, 43kDa, Nraps, Raps, rapsyn

描述:43 kDa receptor-associated protein of the synapse, also known as RAPSN, is expressed in the postsynaptic membrane of skeletal muscle. RAPSN is required for the clustering of nicotinic acetylcholine receptors (nAChR). It self-associates through at least two of its seven tetra-tricopeptide repeats (TPRs). RAPSN interacts with the large intracellular domain of the nAChR a subunit through the hydrophobic surface of the coiled-coil domain. This protein modifies trafficking of AChR within the cell. Overexpression inhibits agrin-induced AChR clustering pathway. Recombinant human RAPSN protein, fused to His-tag at N-terminus, was expressed in E.coli.

配方:Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.4M Urea

分子量:48.8 kDa (435aa)

序列:

MGSSHHHHHSSGLVPRGSHMGSMGQDQTKQKQIEKGLQLYQSNQTEKALQVWMKVLEKGS DLVGRFRVLGCLVTAH
SEMGRYKEMLKFAVVQIDTARGLEDADFLLESYLN LARSNEKLC EFHKTISYCKTCLGLPGTRAGAQLGGQVSLSMGNAFL
GLSLFQKALESFEKALRYAHNDDTMLECRVCCSLGSFYAQVKDYEKALFFPCKAAELVNDYGKGWLSLKYRAMSQYHM
AVAYRLLGHLGSAMECCESMKIALQHGD RPLQALCLLCFADIHR SRGDLETAFP RYDSAMSIMTEIGNRLGQVHVLLGV
AKCWMARKVQDKALDAIEKAQDLAEEVGNKLSQLKLHCLSESIYRSKGLQREL RTHVVRFHEC VEETELYCGLCGESIGE
RNSRLQALPCSHIFHLRCLQNNGTRSCPNCRRSSMKPGFV

纯度:> 95% by HPLC

浓度:0.5mg/ml (determined by Bradford assay)

内毒素:<1.0 EU per 1 ug of protein (determined by LAL method)

存储:+4 ° C 保存 (1-2 周). 长期保存在-20 ° C或者-70 ° C. 避免反复冻融.