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32-13023: Agrin Rat

Alternative Name : Agrin, Agrn, C90, C22, Agrin N-terminal 110 kDa subunit, Agrin C-terminal 110 kDa subunit, Agrin C-terminal 90 kDa fragment, Agrin C-terminal 22 kDa fragment, AGR

Description

Source: Sf9, Baculovirus cells.
Sterile Filtered colorless solution.
Agrin or AGRN is a large protein (proteoglycan) that has a crucial part in the development of neuromuscular junction amid embryogenesis. The protein has an involvement in the collection and aggregation of acetylcholine receptors through synaptogenesis. The agrin gene can be found and expressed in rat embryonic nervous system andmuscle tissue. This Agrin protein is aggregated in the synapses, there it can take part in regeneration & development. The protein binds to receptors on the surface of skeletal muscle.
Agrin Rat produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 766 amino acids (997-1753 a.a.) and having a molecular mass of 82.5kDa.Agrin is fused to a 9 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

Product Info

Amount :	5 µg / 20 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	The Agrin solution (0.5mg/ml) contains 10% Glycerol in Phosphate-Buffered Saline (pH 7.4).
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).Avoid multiple freeze-thaw cycles.
Amino Acid :	ADPSCYNSPL GCCSDGKTPS LDSEGSNCPA TKAFQGVLEL EGVEGQELFY TPEMADPKSE LFGETARSIE STLDDLFRNS DVKKDFWSVR LRELGPGKLV RAIVDVHFDP TTAFQASDVG QALLRQIQVS RPWALAVRRP LQEHVRFLDF DWFPTFFTGA ATGTTAAMAT ARATTVSRLP ASSVTPRVYP SHTSRPVGRT TAPPTTRRPP TTATNMDRPR TPGHQQPSKS CDSQPCLHGGTCQDQDSGKG FTCSCTAGRG GSVCEKVQPP SMPAFKGHSF LAFPTLRAYH TLRLALEFRA LETEGLLLYN GNARGKDFLA LALLDGRVQF RFDTGSGPAV LTSLVPVEPG RWHRLELSRH WRQGTLSVDG ETPVVGESPS GTDGLNLDTN LYVGGIPEEQ VAMVLDRTSV GVGLKGCIRM LDINNQQLEL SDWQRAAVQS SGVGECGDHP CLPNPCHGGA LCQALEAGMF LCQCPPGRFG PTCADEKSPC QPNPCHGAAP CRVLSSGGAK CECPLGRSGT FCQTVLETAG SRPFLADFNG FSYLELKGLH TFERDLGEKM ALEMVFLARG PSGLLLYNGQ KTDGKGDFVS LALHNRHLEF CYDLGKGAAV IRSKEPIALG TWVRVFLERN GRKGALQVGD GPRVLGESPK SRKVPHTMLN LKEPLYIGGA PDFSKLARGA AVSSGFSGVI QLVSLRGHQL LTQEHVLRAV DVSPFADHPC TQALGNPCLN GGSCVPREAT YECLCPGGFS GLHCEKGLVE HHHHHH