

Datasheet for ABIN7596319

AGRN Protein (AA 997-1753) (His tag)



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Overview

Quantity:	500 µg
Target:	AGRN
Protein Characteristics:	AA 997-1753
Origin:	Rat
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This AGRN protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	SCYNSPL GCCSDGKTPS LDSEGSNCPA TKAFQGVLEL EGVEGQELFY TPEMADPKSE LFGETARSIE STLDDLFRNS DVKKDFWSVR LRELPGKLV RAIVDVHFDP TTAFAQSDVG QALLRQIQVS RPWALAVRRP LQEHVRFLDF DWFPFTFTGA ATGTTAAMAT ARATTVSRLP ASSVTPRVYP SHTSRPVGRT TAPPTTRRPP TTATNMDRPR TPGHQPSKS CDSQPCLHGG TCQDQDSGKG FTCCTAGRG GSVCEKVQPP SMPAFKGHSF LAFPTLRAYH TLRLALEFRA LETEGLLLYN GNARGKDFLA LALLDGRVQF RFDTGSGPAV LTSLVPVEPG RWHRLERSRH WRQGTLSVDG ETPVVGESPS GTDGLNLDTN LYVGGIPEEQ VAMVLDRTSV GVGLKGCIRM LDINNQQLEL SDWQRAAVQS SGVGECGDHP CLPNPCHGGA LCQALEAGMF LCQCPPGRFG PTCADEKSPC QPNPCHGAAP CRVLSSGGAK CECPLGRSGT FCQTVLETAG SRPFLADFNQ FSYLELKGLH TFERDLGEKM ALEMVFLARG PSGLLLYNGQ KTDGKGDFVS LALHNRHLEF CYDLGKGAHV IRSKEPIALG TWVRVFLERN GRKGALQVGD GPRVLGESPK SRKVPHTMLN LKEPLYIGGA PDFSKLARGA AVSSGFSGVI QLVSLRGHQL LTQEHVLRVAV DVSPFADHPC
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Product Details

TQALGNPCLN GGSCVPREAT YECLCPGGFS GLHCEKGLVE

Purity: > 90% by SDS-PAGE

Endotoxin Level: < 1 EU per 1ug of protein (determined by LAL method)

Target Details

Target: AGRN

Alternative Name: Agrin ([AGRN Products](#))

Background: Agrin, also known as AGRN, is a large proteoglycan whose best-characterised role is in the development of the neuromuscular junction during embryogenesis. Agrin is named based on its involvement in the aggregation of acetylcholine receptors during synaptogenesis. The agrin gene is expressed in rat embryonic nervous system and muscle. This protein is concentrated at synapses, where it may play a role in development and regeneration. When secreted, agrin binds to several receptors on the surface of skeletal muscle. Recombinant Rat Agrin, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Molecular Weight: 82.5 kDa (766aa)

NCBI Accession: [NP_786930](#)

Pathways: [Glycosaminoglycan Metabolic Process](#), [Regulation of Muscle Cell Differentiation](#), [Skeletal Muscle Fiber Development](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.5 mg/mL

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.