

Recombinant Human AGRN, His-tagged

Cat. No. AGRN-26658TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 1601-2045 of Human Agrin with a N terminal His tag; 52kDa.
Species	Human
Source	E.coli
ProteinLength	1601-2045 a.a.
Description	This gene encodes one of several proteins that are critical in the development of the neuromuscular junction (NMJ), as identified in mouse knock-out studies. The encoded protein contains several laminin G, Kazal type serine protease inhibitor, and epidermal growth factor domains. Additional post-translational modifications occur to add glycosaminoglycans and disulfide bonds. In one family with congenital myasthenic syndrome affecting limb-girdle muscles, a mutation in this gene was found.
Conjugation	HIS
Form	Lyophilised:Reconstitution with 127 µl aqua dest.
Storage buffer	Preservative: NoneConstituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Sequences of amino acids

APCRVLPEGGAQCECPLGREGTFCQTASGQDGS GPFLADF NGFSHLELRGLHTFA
 RDLGEKMALEV VFLARGPSGLLL YNGQKTDGKGDFVSLALRDRRLEFRYDLGKGA
 AVIRSR EPVTLGAWTRVSLERNRKGALRVGDGPRVLGESVPVHTV LNLKEPLYV
 GGAPDFSKLARAAAVSSGFDGAIQLVSLG GRQLLTPEHVLRQVDVTSFAGHPCTRA
 SGHPCLNGASC VPREAAYVCLCPGGFSGPHCEKGLVEKSAGDVDTLAFDGRTFVE
 YLNAVTESEKALQSNHFELSLRTEATQGLVLWSG KATERADYVALAIVDGHQLQSY
 NLGSQPVVLRSTVPVN TNRWLRVVAHREQREGSLQVGNEAPVTGSSPLGATQLD
 TDGALWLGGLPELPVGPALPKAYGTGFVGCLRDVVVGRHP LHLLEDAVTKPELRPC
 PTP

GENE INFORMATION

Gene Name	AGRN agrin [Homo sapiens]
Official Symbol	AGRN
Synonyms	AGRN; agrin; AGRIN; agrin proteoglycan;
Gene ID	375790
mRNA Refseq	NM_198576
Protein Refseq	NP_940978
MIM	103320
Uniprot ID	O00468
Chromosome Location	1p36.33

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Pathway	Axon guidance, organism-specific biosystem; Developmental Biology, organism-specific biosystem; ECM-receptor interaction, organism-specific biosystem; ECM-receptor interaction, conserved biosystem; NCAM signaling for neurite out-growth, organism-specific biosystem;
Function	acetylcholine receptor regulator activity; laminin binding; protein binding; structural constituent of cytoskeleton;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA