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.

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Sequences of amino acids	APCRVLPEGGAQCECPLGREGTFCQTASGQDGSGPFLADF NGFSHLELRGLHTFA RDLGEKMALEVVFLARGPSGLLL YNGQKTDGKGDFVSLALRDRRLEFRYDLGKGA AVIRSR EPVTLGAWTRVSLERNGRKGALRVGDGPRVLGESPVPHTV LNLKEPLYV GGAPDFSKLARAAAVSSGFDGAIQLVSLG GRQLLTPEHVLRQVDVTSFAGHPCTRA SGHPCLNGASC VPREAAYVCLCPGGFSGPHCEKGLVEKSAGDVDTLAFDGRTFVE YLNAVTESEKALQSNHFELSLRTEATQGLVLWSG KATERADYVALAIVDGHLQLSY 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

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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;

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