

Product datasheet for **RC212203L1V**

Agrin (AGRN) (NM_198576) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Agrin (AGRN) (NM_198576) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Agrin
Synonyms:	AGRIN; CMS8; CMSPPD
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_198576
ORF Size:	6135 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC212203).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_198576.2
RefSeq Size:	7319 bp
RefSeq ORF:	6138 bp
Locus ID:	375790
UniProt ID:	O00468
Cytogenetics:	1p36.33
Protein Pathways:	ECM-receptor interaction
MW:	214.7 kDa



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Gene Summary:

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. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Mar 2015]