Product datasheet for TP723328

Neuritin (NRN1) (NM_016588) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human neuritin 1 (NRN1).
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	AGKCDAVFKG FSDCLLKLGD SMANYPQGLD DKTNIKTVCT YWEDFHSCTV TALTDCQEGA KDMWDKLRKE SKNLNIQGSL FELCGSGN
Tag:	Tag Free
Predicted MW:	9.72 kDa
Concentration:	lot specific
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Lyophilized from a 0.2 µM filtered solution of 20mM phosphate buffer,100mM NaCl, pH 7.2
Bioactivity:	Determined by a cell proliferation using rat C6 cells. ED50 for this effect is 20.0-30.0 ng/ml.
Endotoxin:	Endotoxin level is < 0.1 ng/µg of protein (< 1 EU/µg)
Storage:	Store at -80°C.
Stability:	Stable for at least 6 months from date of receipt under proper storage and handling conditions.
RefSeq:	NP_057672
Locus ID:	51299
UniProt ID:	Q9NPD7
RefSeq Size:	2072
Cytogenetics:	6p25.1
RefSeq ORF:	426
Synonyms:	dJ380B8.2; NRN

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Summary:

This gene encodes a member of the neuritin family, and is expressed in postmitotic-differentiating neurons of the developmental nervous system and neuronal structures associated with plasticity in the adult. The expression of this gene can be induced by neural activity and neurotrophins. The encoded protein contains a consensus cleavage signal found in glycosylphoshatidylinositol (GPI)-anchored proteins. The encoded protein promotes neurite outgrowth and arborization, suggesting its role in promoting neuritogenesis. Overexpression of the encoded protein may be associated with astrocytoma progression. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013]

Product images: