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Product datasheet for RC200386L4V

Neuraminidase (NEU1) (NM_000434) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Neuraminidase (NEU1) (NM_000434) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Neuraminidase
Synonyms:	NANH; NEU; SIAL1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_000434
ORF Size:	1245 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC200386).`
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_000434.2
RefSeq Size:	2088 bp
RefSeq ORF:	1248 bp
Locus ID:	4758
UniProt ID:	Q99519
Cytogenetics:	6p21.33
Domains:	BNR
Protein Families:	Druggable Genome, Transmembrane

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Protein Pathways: Lysosome, Other glycan degradation, Sphingolipid metabolism

MW: 45.5 kDa

Gene Summary: The protein encoded by this gene is a lysosomal enzyme that cleaves terminal sialic acid residues from substrates such as glycoproteins and glycolipids. In the lysosome, this enzyme is part of a heterotrimeric complex together with beta-galactosidase and cathepsin A (the latter is also referred to as 'protective protein'). Mutations in this gene can lead to sialidosis, a lysosomal storage disease that can be type 1 (cherry red spot-myoclonus syndrome or normosomatic type), which is late-onset, or type 2 (the dysmorphic type), which occurs at an earlier age with increased severity. [provided by RefSeq, Jul 2008]