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Product datasheet for RC224711L1V

NOTCH3 (NM_000435) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	NOTCH3 (NM_000435) Human Tagged ORF Clone Lentiviral Particle
Symbol:	NOTCH3
Synonyms:	CADASIL; CADASIL1; CASIL; IMF2; LMNS
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_000435
ORF Size:	6963 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC224711).
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_000435.1
RefSeq Size:	8089 bp
RefSeq ORF:	6966 bp
Locus ID:	4854
UniProt ID:	Q9UM47
Cytogenetics:	19p13.12
Domains:	NL, EGF_CA, ANK, EGF, EGF
Protein Families:	Druggable Genome

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Protein Pathways: Dorso-ventral axis formation, Notch signaling pathway

MW: 243.7 kDa

Gene Summary: This gene encodes the third discovered human homologue of the Drosophilia melanogaster type I membrane protein notch. In Drosophilia, notch interaction with its cell-bound ligands (delta, serrate) establishes an intercellular signalling pathway that plays a key role in neural development. Homologues of the notch-ligands have also been identified in human, but precise interactions between these ligands and the human notch homologues remains to be determined. Mutations in NOTCH3 have been identified as the underlying cause of cerebral autosomal dominant arteriopathy with subcortical infarcts and leukoencephalopathy (CADASIL). [provided by RefSeq, Jul 2008]