Product datasheet for RC205293L4V

NEUROD2 (NM_006160) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	NEUROD2 (NM_006160) Human Tagged ORF Clone Lentiviral Particle
Symbol:	NEUROD2
Synonyms:	bHLHa1; DEE72; EIEE72; NDRF
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_006160
ORF Size:	1146 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC205293).
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_006160.3, NP_006151.2
RefSeq Size:	3048 bp
RefSeq ORF:	1149 bp
Locus ID:	4761
UniProt ID:	Q15784
Cytogenetics:	17q12
Domains:	HLH
Protein Families:	Druggable Genome, ES Cell Differentiation/IPS, Transcription Factors

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MW: 41.3 kDa

Gene Summary: This gene encodes a member of the neuroD family of neurogenic basic helix-loop-helix (bHLH) proteins. Expression of this gene can induce transcription from neuron-specific promoters, such as the GAP-43 promoter, which contain a specific DNA sequence known as an E-box. The product of the human gene can induce neurogenic differentiation in non-neuronal cells in Xenopus embryos, and is thought to play a role in the determination and maintenance of neuronal cell fates. [provided by RefSeq, Jul 2008]