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Product datasheet for RC208209L1V

OLIG2 (NM_005806) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	OLIG2 (NM_005806) Human Tagged ORF Clone Lentiviral Particle
Symbol:	OLIG2
Synonyms:	BHLHB1; bHLHe19; OLIGO2; PRKCBP2; RACK17
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_005806
ORF Size:	969 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC208209).`
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_005806.2
RefSeq Size:	2505 bp
RefSeq ORF:	972 bp
Locus ID:	10215
UniProt ID:	Q13516
Cytogenetics:	21q22.11
Domains:	HLH
Protein Families:	Druggable Genome, Transcription Factors

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MW: 32.2 kDa

Gene Summary: This gene encodes a basic helix-loop-helix transcription factor which is expressed in oligodendroglial tumors of the brain. The protein is an essential regulator of ventral neuroectodermal progenitor cell fate. The gene is involved in a chromosomal translocation t(14;21)(q11.2;q22) associated with T-cell acute lymphoblastic leukemia. Its chromosomal location is within a region of chromosome 21 which has been suggested to play a role in learning deficits associated with Down syndrome. [provided by RefSeq, Jul 2008]