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Product datasheet for RC207671L2V

MATH5 (ATOH7) (NM_145178) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	MATH5 (ATOH7) (NM_145178) Human Tagged ORF Clone Lentiviral Particle
Symbol:	MATH5
Synonyms:	bHLHa13; Math5; NCRNA; PHPVAR; RNANC
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_145178
ORF Size:	456 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC207671).
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_145178.2
RefSeq Size:	1534 bp
RefSeq ORF:	459 bp
Locus ID:	220202
UniProt ID:	Q8N100
Cytogenetics:	10q21.3-q22.1
Protein Families:	Transcription Factors
MW:	16.9 kDa

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Gene Summary: This intronless gene encodes a member of the basic helix-loop-helix family of transcription factors, with similarity to Drosophila atonal gene that controls photoreceptor development. Studies in mice suggest that this gene plays a central role in retinal ganglion cell and optic nerve formation. Mutations in this gene are associated with nonsyndromic congenital retinal nonattachment. [provided by RefSeq, Dec 2011]