

OriGene Technologies, Inc.

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Product datasheet for RC207671L4V

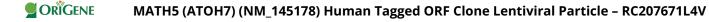
MATH5 (ATOH7) (NM_145178) Human Tagged ORF Clone Lentiviral Particle

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: | Puromycin |
| Vector: | pLenti-C-mGFP-P2A-Puro (PS100093) |
| 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. <u>More info</u> |
| 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: | <u>NM 145178.2</u> |
| RefSeq Size: | 1534 bp |
| RefSeq ORF: | 459 bp |
| Locus ID: | 220202 |
| UniProt ID: | <u>Q8N100</u> |
| 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]

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