

## Product datasheet for **RC208549L2V**

### NPAS2 (NM\_002518) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Lentiviral Particles   |
| Product Name:             | NPAS2 (NM_002518) Human Tagged ORF Clone Lentiviral Particle   |
| Symbol:                   | NPAS2  |
| Synonyms:                 | bHLHe9; MOP4; PASD4  |
| Mammalian Cell Selection: | None   |
| Vector:                   | pLenti-C-mGFP (PS100071)   |
| Tag:                      | mGFP   |
| ACCN:                     | NM_002518  |
| ORF Size:                 | 2472 bp  |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(RC208549).   |
| 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. <a href="#">More info</a> |
| 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:                   | <a href="#">NM_002518.3</a>  |
| RefSeq Size:              | 4004 bp  |
| RefSeq ORF:               | 2475 bp  |
| Locus ID:                 | 4862   |
| UniProt ID:               | <a href="#">Q99743</a>   |
| Cytogenetics:             | 2q11.2   |
| Domains:                  | PAS, HLH, PAC  |
| Protein Families:         | Druggable Genome, Transcription Factors  |



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**Protein Pathways:** Circadian rhythm - mammal

**MW:** 91.6 kDa

**Gene Summary:** The protein encoded by this gene is a member of the basic helix-loop-helix (bHLH)-PAS family of transcription factors. A similar mouse protein may play a regulatory role in the acquisition of specific types of memory. It also may function as a part of a molecular clock operative in the mammalian forebrain. [provided by RefSeq, Jul 2008]