

## Product datasheet for **RC207685L2V**

### NGAL (LCN2) (NM\_005564) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Lentiviral Particles   |
| Product Name:             | NGAL (LCN2) (NM_005564) Human Tagged ORF Clone Lentiviral Particle   |
| Symbol:                   | NGAL   |
| Synonyms:                 | 24p3; MSFI; NGAL; p25  |
| Mammalian Cell Selection: | None   |
| Vector:                   | pLenti-C-mGFP (PS100071)   |
| Tag:                      | mGFP   |
| ACCN:                     | NM_005564  |
| ORF Size:                 | 594 bp   |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(RC207685).   |
| 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_005564.2</a>  |
| RefSeq Size:              | 840 bp   |
| RefSeq ORF:               | 597 bp   |
| Locus ID:                 | 3934   |
| UniProt ID:               | <a href="#">P80188</a>   |
| Cytogenetics:             | 9q34.11  |
| Domains:                  | lipocalin  |
| Protein Families:         | Secreted Protein   |



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**MW:** 22.6 kDa

**Gene Summary:** This gene encodes a protein that belongs to the lipocalin family. Members of this family transport small hydrophobic molecules such as lipids, steroid hormones and retinoids. The protein encoded by this gene is a neutrophil gelatinase-associated lipocalin and plays a role in innate immunity by limiting bacterial growth as a result of sequestering iron-containing siderophores. The presence of this protein in blood and urine is an early biomarker of acute kidney injury. This protein is thought to be involved in multiple cellular processes, including maintenance of skin homeostasis, and suppression of invasiveness and metastasis. Mice lacking this gene are more susceptible to bacterial infection than wild type mice. [provided by RefSeq, Sep 2015]