

Product datasheet for **MR220338L4V**

Prok1 (NM_001044382) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

| | |
|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | Prok1 (NM_001044382) Mouse Tagged ORF Clone Lentiviral Particle |
| Symbol: | Prok1 |
| Synonyms: | EG-VEGF |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-mGFP-P2A-Puro (PS100093) |
| Tag: | mGFP |
| ACCN: | NM_001044382 |
| ORF Size: | 318 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(MR220338). |
| 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_001044382.1 |
| RefSeq Size: | 414 bp |
| RefSeq ORF: | 318 bp |
| Locus ID: | 246691 |
| UniProt ID: | Q14A28 |
| Cytogenetics: | 3 F2.3 |



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Gene Summary:

Potently contracts gastrointestinal (GI) smooth muscle. Induces proliferation, migration and fenestration (the formation of membrane discontinuities) in capillary endothelial cells. Induces proliferation and differentiation, but not migration, of enteric neural crest cells. Directly influences neuroblastoma progression by promoting the proliferation and migration of neuroblastoma cells. Positively regulates PTGS2 expression and prostaglandin synthesis. May play a role in placentation. May play a role in normal and pathological testis angiogenesis.[UniProtKB/Swiss-Prot Function]