

Product datasheet for **RC213956L3V**

p114RhoGEF (ARHGEF18) (NM_015318) Human Tagged ORF Clone Lentiviral Particle

Product data:

| | |
|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | p114RhoGEF (ARHGEF18) (NM_015318) Human Tagged ORF Clone Lentiviral Particle |
| Symbol: | p114RhoGEF |
| Synonyms: | P114-RhoGEF; p114RhoGEF; RP78; SA-RhoGEF |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-Myc-DDK-P2A-Puro (PS100092) |
| Tag: | Myc-DDK |
| ACCN: | NM_015318 |
| ORF Size: | 3045 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RC213956). |
| 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_015318.3 |
| RefSeq Size: | 5252 bp |
| RefSeq ORF: | 3048 bp |
| Locus ID: | 23370 |
| UniProt ID: | Q6ZSZ5 |
| Cytogenetics: | 19p13.2 |
| Domains: | RhoGEF, PH |
| MW: | 114.1 kDa |



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Gene Summary:

Rho GTPases are GTP binding proteins that regulate a wide spectrum of cellular functions. These cellular processes include cytoskeletal rearrangements, gene transcription, cell growth and motility. Activation of Rho GTPases is under the direct control of guanine nucleotide exchange factors (GEFs). The protein encoded by this gene is a guanine nucleotide exchange factor and belongs to the Rho GTPase GEF family. Family members share a common feature, a Dbl (DH) homology domain followed by a pleckstrin (PH) homology domain. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Nov 2018]