

Product datasheet for **RC209308L2V**

RNF111 (NM_017610) Human Tagged ORF Clone Lentiviral Particle

Product data:

| | |
|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | RNF111 (NM_017610) Human Tagged ORF Clone Lentiviral Particle |
| Symbol: | RNF111 |
| Synonyms: | ARK; hRNF111 |
| Mammalian Cell Selection: | None |
| Vector: | pLenti-C-mGFP (PS100071) |
| Tag: | mGFP |
| ACCN: | NM_017610 |
| ORF Size: | 2955 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RC209308). |
| 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_017610.6 |
| RefSeq Size: | 5902 bp |
| RefSeq ORF: | 2961 bp |
| Locus ID: | 54778 |
| UniProt ID: | Q6ZNA4 |
| Cytogenetics: | 15q22.1-q22.2 |
| Domains: | RING |
| Protein Families: | Druggable Genome |


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MW: 107.8 kDa

Gene Summary: The protein encoded by this gene is a nuclear RING-domain containing E3 ubiquitin ligase. This protein interacts with the transforming growth factor (TGF) -beta/NODAL signaling pathway by promoting the ubiquitination and proteosomal degradation of negative regulators, like SMAD proteins, and thereby enhances TGF-beta target-gene transcription. As a modulator of the nodal signaling cascade, this gene plays a critical role in the induction of mesoderm during embryonic development. Alternative splicing of this gene results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Jul 2012]