

Product datasheet for **RC207203L4V**

KF1 (RNF103) (NM_005667) Human Tagged ORF Clone Lentiviral Particle

Product data:

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|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | KF1 (RNF103) (NM_005667) Human Tagged ORF Clone Lentiviral Particle |
| Symbol: | KF1 |
| Synonyms: | HKF-1; KF-1; KF1; ZFP-103; ZFP103 |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-mGFP-P2A-Puro (PS100093) |
| Tag: | mGFP |
| ACCN: | NM_005667 |
| ORF Size: | 2055 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RC207203). |
| 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_005667.2 |
| RefSeq Size: | 3516 bp |
| RefSeq ORF: | 2058 bp |
| Locus ID: | 7844 |
| UniProt ID: | O00237 |
| Cytogenetics: | 2p11.2 |
| Domains: | RING |
| Protein Families: | Druggable Genome, Transcription Factors, Transmembrane |


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MW: 79.5 kDa

Gene Summary: The protein encoded by this gene contains a RING-H2 finger, a motif known to be involved in protein-protein and protein-DNA interactions. This gene is highly expressed in normal cerebellum, but not in the cerebral cortex. The expression of the rat counterpart in the frontal cortex and hippocampus was shown to be induced by electroconvulsive treatment (ECT) as well as chronic antidepressant treatment, suggesting that this gene may be a molecular target for ECT and antidepressants. The protein is a ubiquitin ligase that functions in the endoplasmic reticulum-associated degradation pathway. Alternative splicing of this gene results in multiple transcript variants. Read-through transcription also exists between this gene and the downstream CHMP3 (charged multivesicular body protein 3) gene. [provided by RefSeq, Oct 2011]