

Product datasheet for **RC209157L3V**

ANKRD16 (NM_019046) Human Tagged ORF Clone Lentiviral Particle

Product data:

| | |
|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | ANKRD16 (NM_019046) Human Tagged ORF Clone Lentiviral Particle |
| Symbol: | ANKRD16 |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-Myc-DDK-P2A-Puro (PS100092) |
| Tag: | Myc-DDK |
| ACCN: | NM_019046 |
| ORF Size: | 1083 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RC209157). |
| 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_019046.1 |
| RefSeq Size: | 2646 bp |
| RefSeq ORF: | 1086 bp |
| Locus ID: | 54522 |
| UniProt ID: | Q6P6B7 |
| Cytogenetics: | 10p15.1 |
| MW: | 39.3 kDa |



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Gene Summary:

Required to prevent the misactivation of serine (Ser) with tRNA(Ala) by promoting the hydrolysis of Ser-mischarged tRNA(Ala), thereby playing a role in translational fidelity. Binds directly to the catalytic domain of AARS/AlaRS and captures Ser that is misactivated by AARS/AlaRS, preventing the charging of Ser adenylates to tRNA(Ala) and precluding Ser misincorporation in nascent peptides.[UniProtKB/Swiss-Prot Function]