

Product datasheet for **RR212645L4V**

Nudt18 (NM_001100732) Rat Tagged ORF Clone Lentiviral Particle

Product data:

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|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | Nudt18 (NM_001100732) Rat Tagged ORF Clone Lentiviral Particle |
| Symbol: | Nudt18 |
| Synonyms: | RGD1311802 |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-mGFP-P2A-Puro (PS100093) |
| Tag: | mGFP |
| ACCN: | NM_001100732 |
| ORF Size: | 969 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RR212645). |
| 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_001100732.1 , NP_001094202.1 |
| RefSeq Size: | 1452 bp |
| RefSeq ORF: | 972 bp |
| Locus ID: | 361068 |
| UniProt ID: | Q641Y7 |
| Cytogenetics: | 15p11 |



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Gene Summary:

Mediates the hydrolysis of oxidized nucleoside diphosphate derivatives. Hydrolyzes 8-oxo-7,8-dihydroguanine (8-oxo-Gua)-containing deoxyribo- and ribonucleoside diphosphates to the monophosphates. Hydrolyzes 8-oxo-dGDP and 8-oxo-GDP with the same efficiencies. Hydrolyzes also 8-OH-dADP and 2-OH-dADP. Exhibited no or minimal hydrolysis activity against 8-oxo-dGTP, 8-oxo-GTP, dGTP, GTP, dGDP and GDP. Probably removes oxidized guanine nucleotides from both the DNA and RNA precursor pools (By similarity).
[UniProtKB/Swiss-Prot Function]