

Product datasheet for **RC210477L4V**

NUDT15 (NM_018283) Human Tagged ORF Clone Lentiviral Particle

Product data:

| | |
|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | NUDT15 (NM_018283) Human Tagged ORF Clone Lentiviral Particle |
| Symbol: | NUDT15 |
| Synonyms: | MTH2; NUDT15D |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-mGFP-P2A-Puro (PS100093) |
| Tag: | mGFP |
| ACCN: | NM_018283 |
| ORF Size: | 492 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RC210477). |
| 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_018283.1 |
| RefSeq Size: | 2022 bp |
| RefSeq ORF: | 495 bp |
| Locus ID: | 55270 |
| UniProt ID: | Q9NV35 |
| Cytogenetics: | 13q14.2 |
| Domains: | NUDIX |
| MW: | 18.4 kDa |



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Gene Summary:

This gene encodes an enzyme that belongs to the Nudix hydrolase superfamily. Members of this superfamily catalyze the hydrolysis of nucleoside diphosphates, including substrates like 8-oxo-dGTP, which are a result of oxidative damage, and can induce base mispairing during DNA replication, causing transversions. The encoded enzyme is a negative regulator of thiopurine activation and toxicity. Mutations in this gene result in poor metabolism of thiopurines, and are associated with thiopurine-induced early leukopenia. Multiple pseudogenes of this gene have been identified. [provided by RefSeq, Apr 2016]