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# Product datasheet for RC216095L4V

## NDUFB2 (NM_004546) Human Tagged ORF Clone Lentiviral Particle

### Product data:

| | |
|---|---|
| **Product Type:** | Lentiviral Particles |
| **Product Name:** | NDUFB2 (NM_004546) Human Tagged ORF Clone Lentiviral Particle |
| **Symbol:** | NDUFB2 |
| **Synonyms:** | AGGG; CI-AGGG |
| **Mammalian Cell Selection:** | Puromycin |
| **Vector:** | pLenti-C-mGFP-P2A-Puro (PS100093) |
| **Tag:** | mGFP |
| **ACCN:** | NM_004546 |
| **ORF Size:** | 315 bp |
| **ORF Nucleotide Sequence:** | `The ORF insert of this clone is exactly the same as(RC216095).` |
| **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_004546.2 |
| **RefSeq Size:** | 509 bp |
| **RefSeq ORF:** | 318 bp |
| **Locus ID:** | 4708 |
| **UniProt ID:** | O95178 |
| **Cytogenetics:** | 7q34 |
| **Protein Pathways:** | Alzheimer's disease, Huntington's disease, Metabolic pathways, Oxidative phosphorylation, Parkinson's disease |

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**MW:** 12.06 kDa

**Gene Summary:** The protein encoded by this gene is a subunit of the multisubunit NADH:ubiquinone oxidoreductase (complex I). Mammalian complex I is composed of 45 different subunits. This protein has NADH dehydrogenase activity and oxidoreductase activity. It plays a important role in transfering electrons from NADH to the respiratory chain. The immediate electron acceptor for the enzyme is believed to be ubiquinone. Hydropathy analysis revealed that this subunit and 4 other subunits have an overall hydrophilic pattern, even though they are found within the hydrophobic protein (HP) fraction of complex I. [provided by RefSeq, Jul 2008]