

Product datasheet for **RC202714L3V**

NDUFB5 (NM_002492) Human Tagged ORF Clone Lentiviral Particle

Product data:

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| Product Type: | Lentiviral Particles |
| Product Name: | NDUFB5 (NM_002492) Human Tagged ORF Clone Lentiviral Particle |
| Symbol: | NDUFB5 |
| Synonyms: | CISGDH; SGDH |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-Myc-DDK-P2A-Puro (PS100092) |
| Tag: | Myc-DDK |
| ACCN: | NM_002492 |
| ORF Size: | 567 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RC202714). |
| 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_002492.2 |
| RefSeq Size: | 1076 bp |
| RefSeq ORF: | 570 bp |
| Locus ID: | 4711 |
| UniProt ID: | O43674 |
| Cytogenetics: | 3q26.33 |
| Protein Families: | Transmembrane |



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| Protein Pathways: | Alzheimer's disease, Huntington's disease, Metabolic pathways, Oxidative phosphorylation, Parkinson's disease |
| MW: | 21.8 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. It locates at the mitochondrial inner membrane. This protein has NADH dehydrogenase activity and oxidoreductase activity. It transfers electrons from NADH to the respiratory chain. The immediate electron acceptor for the enzyme is believed to be ubiquinone. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2011] |