

Product datasheet for **RC210642**

NDUFS5 (NM_004552) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: NDUFS5 (NM_004552) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: NDUFS5
Synonyms: CI-15k; CI15K
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC210642 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCTTTCTTGGACATCCAGAAAAGTTTCGGCCTTAACATAGATCGATGGTTGACAATCCAGAGTGGTG
AACAGCCCTACAAGATGGCTGGTCGATGCCATGCTTTTGAAAAGAATGGATAGAATGTGCACATGGAAT
CGGTTTACTCGGCAGAGAAAGAGTGAAGATAGAATATGATGATTTTCGTAGAGTGTTCGTCGGCAG
AAAACGATGAGACGTGCAGGTACCATCAGGAAGCAGCGGGATAAGCTGATAAAGGAAGGAAAGTACACCC
CTCCACCTCACCACATTGGCAAGGGGAGCCTCGGCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC210642 protein sequence
Red=Cloning site Green=Tags(s)
MPFLDIQKRFGLNIDRWLTIQSGEQPYKMAGRCHAFEKEWIECAHGIGYTRAEKECKIEYDDFVECLLRQ
KTMRRAGTIRKQRDKLIKEGKYTPPPHHIGKGEPRP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6555_g09.zip

Restriction Sites: SgfI-MluI



[View online »](#)

UniProt ID: [O43920](#)

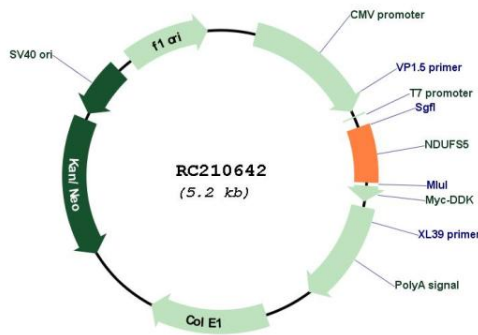
Cytogenetics: 1p34.3

Protein Pathways: Alzheimer's disease, Huntington's disease, Metabolic pathways, Oxidative phosphorylation, Parkinson's disease

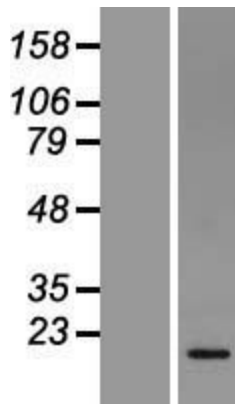
MW: 12.5 kDa

Gene Summary: This gene is a member of the NADH dehydrogenase (ubiquinone) iron-sulfur protein family. The encoded protein is a subunit of the NADH:ubiquinone oxidoreductase (complex I), the first enzyme complex in the electron transport chain located in the inner mitochondrial membrane. Alternative splicing results in multiple transcript variants and pseudogenes have been identified on chromosomes 1, 4 and 17. [provided by RefSeq, May 2010]

Product images:



Circular map for RC210642



Western blot validation of overexpression lysate (Cat# [LY417909]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC210642 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).