

Product datasheet for RC200520

Dynein light chain (DNAL4) (NM_005740) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Dynein light chain (DNAL4) (NM_005740) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: Dynein light chain
Synonyms: MRMV3; PIG27
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC200520 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGAGAAACAGAAGGGAAGAAAGATGAGGCTGACTATAAGCGACTGCAGACCTTCCTCTGGTCAGGC
ACTCGGACATGCCAGAGGAGATGCGCGTGGAGACCATGGAGCTATGTGTACAGCCTGTGAGAAATTCTC
CAACAACAACGAGAGCGCCCAAGATGATCAAAGAGACAATGGACAAGAAGTTCGGCTCCTCCTGGCAC
GTGGTGTATCGGCGAGGGCTTTGGGTTTGTAGATCACCCACGAGGTGAAGAACCTCCTACCTGTACTTCG
GGGCACCTGGCTGTGTGCGTCTGGAAGTGCTCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC200520 protein sequence
 Red=Cloning site Green=Tags(s)
 MGETEGKKDEADYKRLQTFPLVRHSDMPEEMRVETMELCVTACEKFSNNNESAAKMIKETMDKKFGSSWH
 VVIGEGFGFEITHEVKNLLYLYFGGTLAVCVWKCS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6393_f11.zip

Restriction Sites: SgfI-MluI

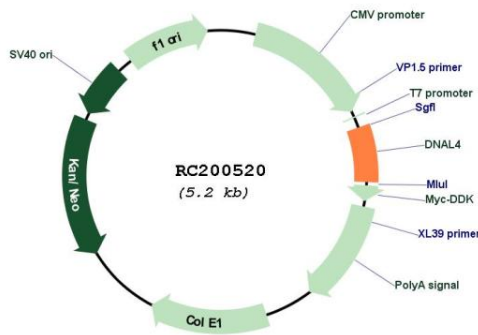


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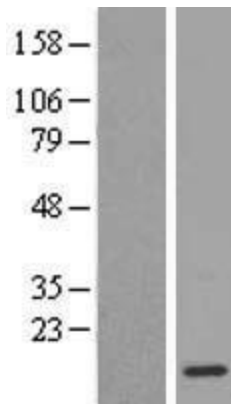
UniProt ID: [O96015](#)
 Cytogenetics: 22q13.1
 Domains: Dynein_light
 Protein Pathways: Huntington's disease
 MW: 12 kDa

Gene Summary: This gene encodes an axonemal dynein light chain which functions as a component of the outer dynein arms complex. This complex acts as the molecular motor that provides the force to move cilia in an ATP-dependent manner. The encoded protein is expressed in tissues with motile cilia or flagella and may be involved in the movement of sperm flagella. [provided by RefSeq, Dec 2014]

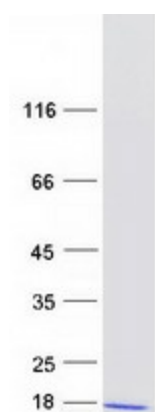
Product images:



Circular map for RC200520



Western blot validation of overexpression lysate (Cat# [LY417100]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC200520 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified DNAL4 protein (Cat# [TP300520]). The protein was produced from HEK293T cells transfected with DNAL4 cDNA clone (Cat# RC200520) using MegaTran 2.0 (Cat# [TT210002]).