

Product datasheet for **RC226878**

CXorf49B (NM_001145139) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	CXorf49B
Synonyms:	CXorf49
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



ORF Nucleotide Sequence: >RC226878 representing NM_001145139
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGAGCTCCCCGACAAGGTGTCCGTTTGTGGGCGGTTTCGACCTGGAGGGTGGCAAAAAGGCTGGCT
 CCCGCACGGCCAGCCCCGAGCCCCAGGGGCCACAGCCACGGCCTCGATTGGGGGTGCCGGCAGCGG
 CGATGGCAAGAGCGAGAGCGGGTTACAGATCCAGAGGGCTTCAGCTTCGAGTCTGAGAGCGAATTGATA
 GAGCAAGGAAGGGTGGTCTCTGGGGCCGGGAAGGCCGCCAGGCACCCCGGTGGATGACCAAGGGGACG
 TTGTGGACTACTATTCTACCTGGCTGACGAACAGCCGCCATCGTGCCGCCGCCAGCGTCCAGGGACA
 CCGCTTCCCAGAAGGTGCCGTGCCGAAGGGTCCGCTGAGAATTGGGCAGATGCGGAGGTCCGTCCAGT
 GGGAGAGACGTGCTGGGCCACAGCCCTGGAATGGCAGCAGGCCTCTGCCGGCGTCTCCACCTCTGCG
 GTCTGGGCCAGTGCAGGCCCTGGAAGAACCCGGAAGGGGCTCGAAGAGCAGATGGAGCCTCCGCGTGGA
 TCCCCAGCAGCCCTCTGCGAAGGCCCCACCAGGCTGCCTACCCAGACTCTGATTCCGCAGATGAGAGC
 AGCGACTTACCACTGATGAAGGTAGGCATTGCGCAACGAAGGAAGCCAGGCCAAGCCCGCAGCCCCA
 AGAAGCGAGCAGACATCCAGACAGGCAAGCTTCACTGCAAGGAGAGTTACCTGCCTGTGCCGGGCCG
 TTTCTGACCTCTGCTCCCCGCGGACTCACTCCAGTCGAGAGAGGCCGCTGTGGGAGAGCTGGAGGAC
 TCTCCCCAGAAGAAATGCAGAGCAGGGCCTGGGGAAGGTGGAGGTGAGGCCAGCTGCTCAGGAGCTG
 CTGCTGCAAGGGCCCTGCCCGAGGCCTTTCGAGGAGGAAGATGGCCGGGGGGAAGAAGTCCCTAGGGGG
 TGCCTCTCACTGGCCCTGGGGAGAGGCTTTCCTGCCTGCGGAGAGAGACTCTCAGCCGCTCCCCCGGAG
 CCGGCCACCTTCCCGCATTCTCTGGTGTGCGGCCACAGGGGATGTCCAAGAAACCCAAAGCCTAAGC
 ACAGCAGCCCTGGGAAGAAACAGCAGGGAGGAAGACCAGGGAGTCCAGGCTGCGGCCAGAGAAGATAA
 TGACCCAAATAGAGATGAGGTCCCAAGAGCCCACTTCCACCCACAGGCCAGGACTGCCTCGCCTGTCT
 GTGCGTCTGGAGAATTGAGCAGTAGCGACCCCAACATCAGAGCTCCCAACTCCGGGAATTCAGAGC
 CCTCGGCCTACAGCCCGGAGGCCTCGTGCCAGACGCCATGCACCCTCCGGTAACACAGCAGCCGCTGT
 CCATCCCCAAGACCGGAAGGCAGCAGCAGCCCGGGAGCCAGGGCTGTCTCGGTGCATCTGGCTG
 CAGAGGGAATTGAGGACCTTACACAGCAGCTAGCGGCCATGCAGTTCTCACTGACAAGTTCAGGACC
 TT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC226878 representing NM_001145139
 Red=Cloning site Green=Tags(s)

MSSPDKVSVCAGFDLEGGKAGSRTASPGAPGAHSHGLDLGVPGSGDGKSESGFTDPEGFSFESESELI
 EQGRVVLWGREGRPVDDQGDVVDYSFYLADEPAAIVPPPSVQGHFPPEGAAAEGSAENWADAEVGPS
 GRDVLGHSPGWQASAGRLHLCGPGVRAWKNPERGSKSRWSLRVDPQPSAKGPTRLPTHDSDADES
 SDLPLMKVIGICRNEGSQAKPGSPKKRADTSRQASFHCKESYLPVGRFLTSAAPRLTPVAERPVGLED
 SPQKKMQSRAWGKVEVRPSCSGAAAAGALPQGLSRRKMAGGKSLGGASQLALGRGFPACGERLSAAPPE
 PATFPPFSGVRPQMSKKPKPKHSSPGKKPAGRKTRRESQAAARENDPNRDEVPRAQLPTHRPLPRLS
 VRRGEFSSSDPNIRAPQLPGTSEPSAYSPGGLVPRRHAPSGNQPPVHPPRPERQQQPPGAQGCPRCIWL
 QREIEDLTQQLAAMQFLTDKFQDL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8031_c10.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001145139

ORF Size: 1542 bp

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.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

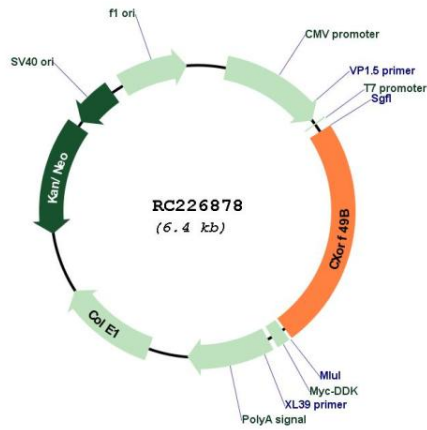
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_001145139.1, NP_001138611.1

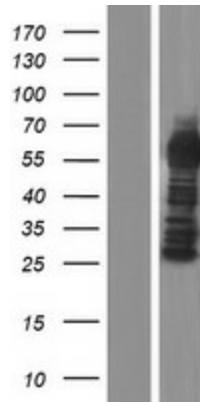
RefSeq ORF: 1545 bp

Locus ID: 100132994
 UniProt ID: [A8MYA2](#)
 Cytogenetics: Xq13.1
 MW: 54.2 kDa

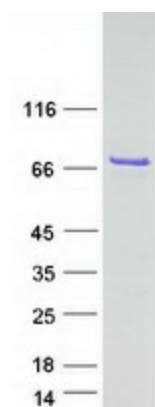
Product images:



Circular map for RC226878



Western blot validation of overexpression lysate (Cat# [LY428718]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC226878 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified CXorf49B protein (Cat# [TP326878]). The protein was produced from HEK293T cells transfected with CXorf49B cDNA clone (Cat# RC226878) using MegaTran 2.0 (Cat# [TT210002]).