

Product datasheet for **RC226977**

C17orf49 (NM_001142799) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: C17orf49 (NM_001142799) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: C17orf49
Synonyms: BAP18; HEPIS
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC226977 representing NM_001142799
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACGTCAGCGTCCACAAAGGTCGGAGAGATCTTCTCGGCGCCGGCGCCGCTTCACGAAGCTCGGGG
AGCTGACGATGCAGCTGCATCCCGTGGCCGACTCTTCTCTCGGGGGCCAGATAAAGGCCACTGTGAA
ACGCAAGGTATATGAAGATTCTGGCATCCCCCTCCAGCTGAGTCACCCAAGAAAGGGCCCAAGAAGGTG
GCATCTGGTGTCTTGTCACCTCCTCCAGCTGCCCTCCTCCAGCAGCTCCAGTGTCCCTGAGGCCGGGG
GTCCCCCATAAAGAAACAGAAGGCTGATGTGACTCAGTGCTCTGAACGACTCCGATGCCAACAGTGA
CGTGGTGGATATTGAAGGCTAGGAGAACTCCTCCAGCTAAGAACTCAACTTCGACCAGGCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC226977 representing NM_001142799
Red=Cloning site Green=Tags(s)

MTSASTKVGEIFSAAGAAFTKLGELTMQLHPVADSSPAGAQIKATVKRKVYEDSGIPLPAESPKKGPKKV
ASGVLSPPPAAPPSSSSVPEAGGPPIKKQKADVTL SALNDSANDSDVVDIEGLGETPPAKKLNFDQA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8032_f09.zip

Restriction Sites: SgfI-MluI



[View online »](#)

Cloning Scheme:


ACCN: NM_001142799

ORF Size: 414 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.

RefSeq: [NM_001142799.3](#)

RefSeq ORF: 417 bp

Locus ID: 124944

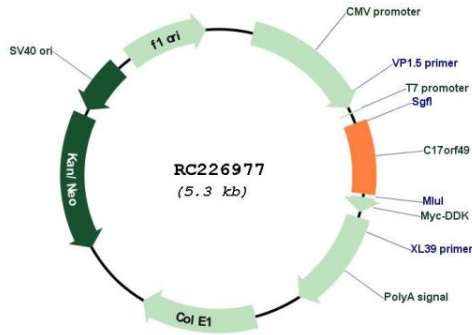
UniProt ID: [Q8IXM2](#)

Cytogenetics: 17p13.1

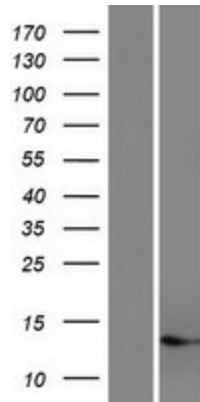
MW: 13.8 kDa

Gene Summary: Component of chromatin complexes such as the MLL1/MLL and NURF complexes. [UniProtKB/Swiss-Prot Function]

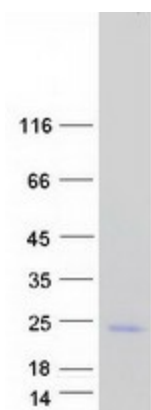
Product images:



Circular map for RC226977



Western blot validation of overexpression lysate (Cat# [LY428281]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC226977 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified C17orf49 protein (Cat# [TP326977]). The protein was produced from HEK293T cells transfected with C17orf49 cDNA clone (Cat# RC226977) using MegaTran 2.0 (Cat# [TT210002]).