

Product datasheet for RC208172

CATIP (NM_198559) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CATIP (NM_198559) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CATIP
Synonyms:	C2orf62
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC208172 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCCTCCAAGGTTTACTCCACAGGCTCCAGAGCTAAGGACCACCAGCCCTCGGGTCCGGAGTGTCTGC
CACTCCCAGAGGCCAATGCTGAAGCCATCGACTTCCTCAGCTCCCTCCACAAGGAGGAGCTACAGATGCT
GTTCTTCTCTGAGACGCTGGCCATGGTCTCAGACACCGGGGAGCCTCAGGGAGAGCTGACCATTGAGGTG
CAGAGAGGGAAATACCAGGAAAACTCGGCATGCTGACATACTGCCTCTTCGTGCATGCCTCTAGCCGAG
GCTTCTTGACAAAATGCTCTGCGGAAATCCCTCCTGGGCTATCTCTCAGAGAAGCTGGAGCTCATGGA
ACAGCACAGCCAAGACTTCATCAAGTTCCTCATCTCCCATGGAACGGAAGATGAGTTTGCTGAAGCAG
GATGATCAGCTGGCTGTGACCAGAAGTATCAAGGAGGGTGAAGTGAAGACTGGAGTACTTCTTTCC
CCTGGAGCTCAATCAAGGGCTTCATCTCAGAGGCTGCCAACCTGGTGTGCTCAGGGTATGGCCTGGCG
GCGGATGGTGCCAGCAATGCCCGCTTCTGACCTTGACACCGAGGGCAAACCTGCTATTTGACCTAT
CAAAACCTGGGCTTCCAGACCATCCAGGTAGACCATCAGCAGGCTGAAGTCTTATCGTGGAGCAGACTG
TCCACGCGGAGGAGGGCATCCCCATGTCTGCCAGTACTACCTGCTCTCCGATGGCACCTGGCCAAAGAG
AATACAGGTGGGCTCCCCAGGGTGTGCATCATACCAAGATGCCTATCTTGAGGGAAGAGGATGAGATT
GAGCCACGCCAGTGTGTTGAGAAGAAGCCCTGGTATGGGAGGAGATATGGAGCTATTCGAAGTTCC
TGGACCGGAAGGAGGAGCTCCGGCTCGGCCACGCCAGCTATCTGCGGCAGCACCCCGAAGCCACGCGCT
CATCTCCGACTTCTGCTCTTCTGCTGTGCGCCAGCCGGAGGACGTGGTACCTTCGCCGCCAGTTC
TTCGCCCTTCGACCCGTGGCGTCCGTCGTACCGGCCCTTGGGCTCTCCACCGGCCAAACCTTTCC
GCTCCCTGGAGCCGGAGGAGACGCCCGCTCGGGGCGGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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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_198559.1](#), [NP_940961.1](#)

RefSeq Size: 1414 bp

RefSeq ORF: 1164 bp

Locus ID: 375307

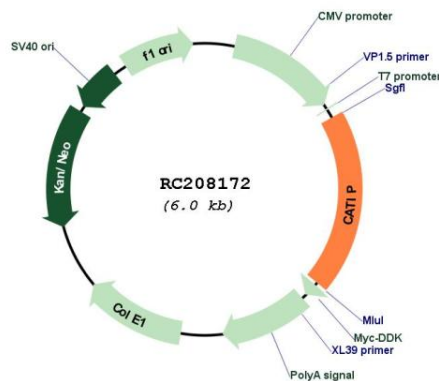
UniProt ID: [Q7Z7H3](#)

Cytogenetics: 2q35

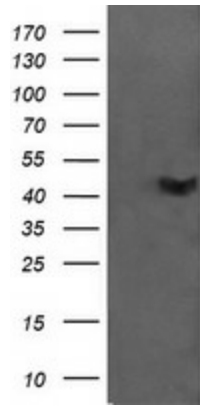
MW: 43.9 kDa

Gene Summary: Plays a role in primary ciliogenesis by modulating actin polymerization.[UniProtKB/Swiss-Prot Function]

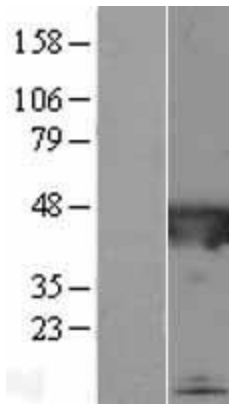
Product images:



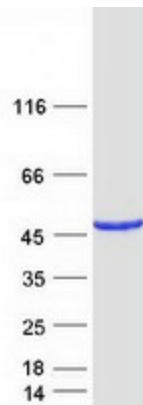
Circular map for RC208172



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY C2orf62 (Cat# RC208172, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-C2orf62(Cat# [TA505575]). Positive lysates [LY404854] (100ug) and [LC404854] (20ug) can be purchased separately from OriGene.



Western blot validation of overexpression lysate (Cat# [LY404854]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC208172 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified CATIP protein (Cat# [TP308172]). The protein was produced from HEK293T cells transfected with CATIP cDNA clone (Cat# RC208172) using MegaTran 2.0 (Cat# [TT210002]).