

Product datasheet for **RC208417**

IFTAP (NM_138787) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IFTAP (NM_138787) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	IFTAP
Synonyms:	C11orf74; HEPIS; NWC
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC208417 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCTGCCCATATGTCAGGATTGGAAATAATGGATGAAGATCAATTAATCAAAGACGTCTTGGATAAAT
TCCTTAATTGTCATGAGCAAACATATGATGAAGAATTTCTGAACACTTTTACTCATCTTTCACAAGAGGA
TCATGTGTCCAAAAGGGAGTGTGGAACTGATTCCTCAGAAAACATTTTACCTCAGCAAAGTTACT
CATAAAAATGAAGCAGATGACTACCATCTTAGAAATAAAACCATCTTCTTCGTACTTCATCACAATGTT
TGAAGAACAGGTAGATAATTTCTAGATTTAGAAGATTTGGACATGGATGAAGAGATTAACCCCAAAT
GAGTGAGGATTTGCTGCTGCTTCCAGGAGAAGTGGAGCAGGATGTAAGCACCGCATTTCCTCCTGTATC
CCTTTTGTGGCCAGCCTCCTACCTGTGAAGTGAAGCCAAAGCCAGTGTAAAAGAATGGACAAACAGA
CGGAAGAGATACTTGGAGATGAAGTTCAACTTTTTCACTTGATGAAGAATTTGATTATGACAATGTGAT
GCTAACCTCCAAGTTTAGTCCTGCAGAGATAGAGAACATCAAAGAGCTATGCAAGCAGCAGAAGAGAAA
GACACCAGCCAGACTTAGAGAAATCCTGTGAC

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC208417 protein sequence
Red=Cloning site Green=Tags(s)

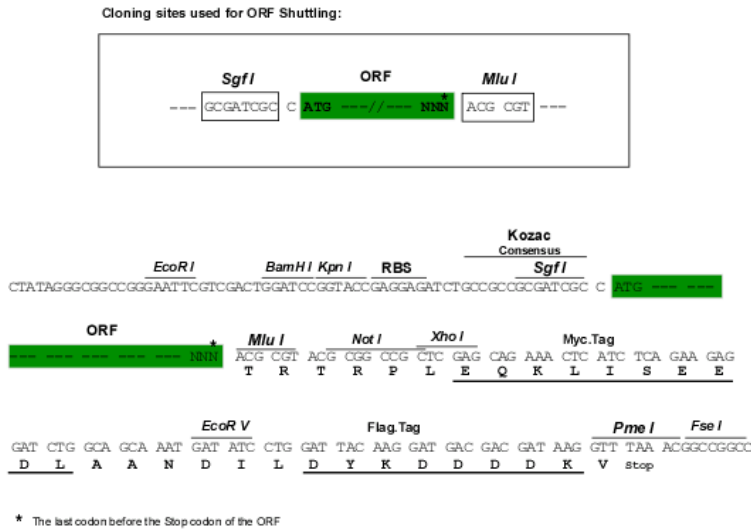
MSAHMSGLEIMDEDQLIKDVLDFLNCHQTYDEEFLNTFTHLSQEDHVS KRGVFGTDSSENI FTSAKVT
 HKNEADYHLRNKTI FLRTSSQCLEEQVDNFDLEDLDMDEEIKPQMSEDLLLLPGEVEQDVSTSI PSCI
 PFVAQPPTCEVKPKPSVKRMDKQTEEILGDEVQLFSLDEEFDYDNVMLTSKFSPA EIENIKELCKQQRK
 DTSPDLEKSCD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6351_f04.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_138787

ORF Size: 663 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_138787.3](#)

RefSeq Size: 911 bp

RefSeq ORF: 666 bp

Locus ID: 119710

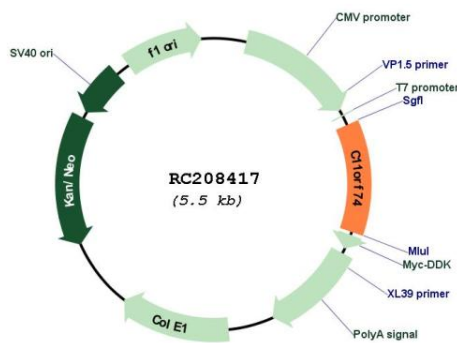
UniProt ID: [Q86VG3](#)

Cytogenetics: 11p12

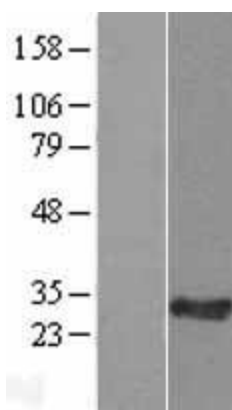
MW: 25.4 kDa

Gene Summary: This gene encodes a protein that was identified as a cellular interacting partner of non-structural protein 10 of the severe acute respiratory syndrome coronavirus (SARS-CoV). The encoded protein may function as a negative regulator of transcription. There is a pseudogene for this gene on chromosome 1. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2013]

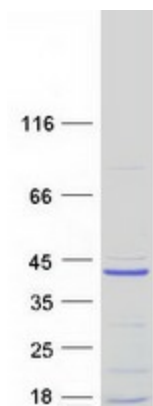
Product images:



Circular map for RC208417



Western blot validation of overexpression lysate (Cat# [LY408524]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC208417 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified C11orf74 protein (Cat# [TP308417]). The protein was produced from HEK293T cells transfected with C11orf74 cDNA clone (Cat# RC208417) using MegaTran 2.0 (Cat# [TT210002]).