

Product datasheet for RC202052

C12orf24 (FAM216A) (NM_013300) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	C12orf24
Synonyms:	C12orf24; HSU79274
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >RC202052 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCTGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCTGGGACAGCTGCTCCCGCACACGGCTCGCGGTCTCGGCGCCCGGAGATGCCCGGCCAGGGTCCGG
GGTCCGACTGGACGGAGCGTAGCTCTTCTGCAGAGCCGCCGCTGTGGCCGGGACCGAGGGTGGCGGCGG
CGGATCAGCTGGATACTCTTGTACCAGAATTCCAAAGTTCTGATAGAATCAAAGATGGATACAAAGTG
AACTCACACATAGCTAAGCTGCAAGAGTTATGGAAAACCCCCAAATCAAACAATCCACCTCTCTAAAT
CAATGATGGAGGCGTCCTTTTCAAGCATCCAGACCTCACCACAGGCCAGAAGCGTTACCTGTGCAGCAT
TGCTAAATCTATAATGCAAACTATCTGAAGATGTTAATGAAGAGGCAGTACATGCACGTACTTCAGCAC
AGCTCACAAAAGCCAGGTGTCCTCACTCATCACAGAAGCCGCCTTAGCTCCCGTTACTCACAGAAACAGC
ATTACCCTTGCACTACATGGCGACATCACTGGAGAGAGAGGACTCGGGTCTTCTGATATCGCAGCTGC
ATCTGCACCTGAAATGCTCATACAGCATTCCCTTTGGCGGCCAGTGAGAAACAAAGAAGGGATAAACT
GGATATGCATCTAAACAAGATGTAAGTCACTGAAGATTTTGAAGACCAAGGAACTGTTTCATGCAAA
CAGTTTCTTCAGATGATTCTGAATCACACATGAGTGAAGAAAAAGGAAGATTACTGAATAATTT
TATGCAATCAATGTCAATTGAAGAACAGGGAGAATCTGATGTTAACT

AGCGGACCGACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA



Protein Sequence:

>RC202052 protein sequence
Red=Cloning site Green=Tags(s)

MLGQLLPHTARGLGAAEMPGQGPQSDWTERSSSAEPPAVAGTEGGGGGAGYSCYQNSKGSRIKDGKVK
NSHIAKLQELWKTQNTIHLSSMMEASFFKHPDLTTGQKRYLCSIAKIYNANYLKMLMKRQYMHVLQH
SSQKPGVLTHHRSRLSSRYSQKHYPCTTWRHQLEREDSGSSDIAAASAPMLIQHSLWRPVRNKEGIKT
GYASKTRCKSLKIFRRPRKLFMQTVSSDDSESHMSEEKKEEDLLNFMQSMSIEEQEHLMLT

SGPTRRPLEQKLISEEDLAANDILDYKDDDDKV

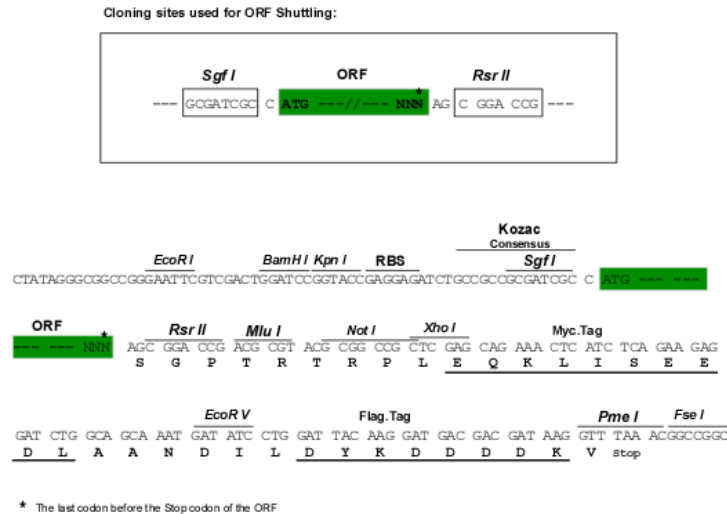
Chromatograms:

https://cdn.origene.com/chromatograms/mk6183_c08.zip

Restriction Sites:

SgfI-RsrII

Cloning Scheme:



ACCN:

NM_013300

ORF Size:

819 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_013300.3

RefSeq Size: 1529 bp

RefSeq ORF: 822 bp

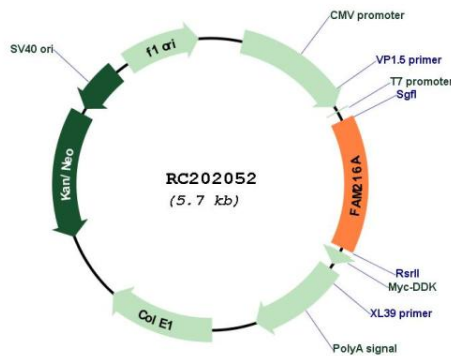
Locus ID: 29902

UniProt ID: Q8WUB2

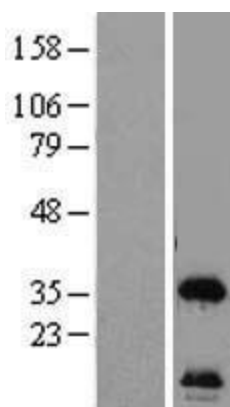
Cytogenetics: 12q24.11

MW: 30.8 kDa

Product images:



Circular map for RC202052



Western blot validation of overexpression lysate (Cat# [LY402242]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC202052 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).