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Product datasheet for RC204721

FCN3 (NM_173452) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FCN3 (NM_173452) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	FCN3
Synonyms:	FCNH; HAKA1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC204721 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGATCTACTGTGGATCCTGCCCTCCCTGTGGCTTCTCCTGCTTGGGGGGCCTGCCTGCCTGAAGACCC
AGGAACACCCCAGCTGCCCAGGACCCAGGGAACTGGAAGCCAGCAAAGTTGTCCTCCTGCCCAGTTGTCC
CGGAGCTCCAGGAAGTCCTGGGGAGAAGGGAGCCCCAGGTCCTCAAGGGCCACCTGGACCACCAGGCAAG
ATGGGCCCCAAGGGTGAGCCAGGCCCCAGAAACTGCCGGGAGCTGTTGAGCCAGGGCGCCACCTTGAGCG
GCTGGTACCATCTGTGCCTACCTGAGGGCAGGGCCCTCCCAGTCTTTTGTGACATGGACACCGAGGGGGG
CGGCTGGCTGGTGTTTCAGAGGCGCCAGGATGGTTCTGTGGATTTCTTCCGCTCTTGGTCCTCCTACAGA
GCAGGTTTTGGGAACCAAGAGTCTGAATTCTGGCTGGGAAATGAGAATTTGCACCAGCTTACTCTCCAGG
GTAACTGGGAGCTGCGGGTAGAGCTGGAAGACTTTAATGGTAACCGTACTTTCGCCCACTATGCGACCTT
CCGCCTCCTCGGTGAGGTAGACCACTACCAGCTGGCACTGGGCAAGTTCTCAGAGGGCACTGCAGGGGAT
TCCCTGAGCCTCCACAGTGGGAGGCCCTTTACCACCTATGACGCTGACCACGATTCAAGCAACAGCAACT
GTGCAGTGATTGTCCACGGTGCCTGGTGGTATGCATCCTGTTACCGATCAAATCTCAATGGTCGCTATGC
AGTGTCTGAGGCTGCCGCCCACAAATATGGCATTGACTGGGCCTCAGGCCGTGGTGTGGGCCACCCCTAC
CGCAGGGTTCGGATGATGCTTCGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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Protein Sequence:

>RC204721 protein sequence
Red=Cloning site Green=Tags(s)

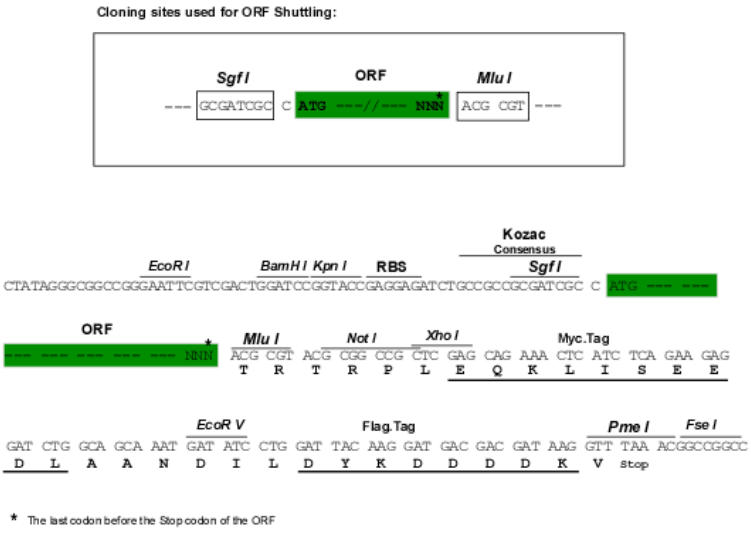
MDLLWILPSLWLLLLGGPACLKTQEHPSCPGPRELEASKVVLLPSCPGAPGSPGEKGAPGPQGPPGPPGK
MGPKGEPGPRNCRELLSQGATLSGWYHLCLPEGRALPVFCDMDTEGGGWLVFQRRQDGSVDFFRSWSSYR
AGFGNQESEFWLGNENLHQLTLQGNWELRVELEDFNGNRTFAHYATFRLLGEVDHYQLALGKFSEGTAGD
SLSLHSGRPFTTYDADHDSSNSNCAVIVHGAWWYASCYRSNLNGRYAVSEAAAHKYGIDWASGRGVGHPY
RRVRMMLR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6171_b02.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_173452

ORF Size: 864 bp

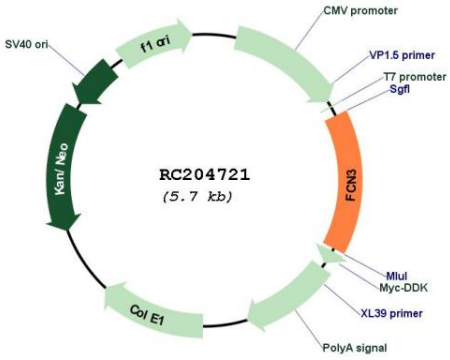
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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.

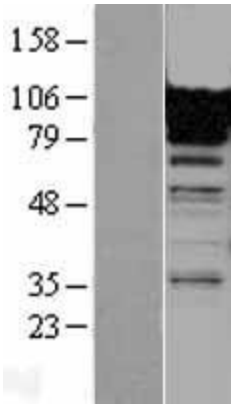
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

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_173452.2
RefSeq Size:	1026 bp
RefSeq ORF:	867 bp
Locus ID:	8547
UniProt ID:	O75636
Cytogenetics:	1p36.11
Protein Families:	Druggable Genome, Secreted Protein
MW:	31.7 kDa
Gene Summary:	Ficolins are a group of proteins which consist of a collagen-like domain and a fibrinogen-like domain. In human serum, there are two types of ficolins, both of which have lectin activity. The protein encoded by this gene is a thermolabile beta-2-macroglycoprotein found in all human serum and is a member of the ficolin/opsonin p35 lectin family. The protein, which was initially identified based on its reactivity with sera from patients with systemic lupus erythematosus, has been shown to have a calcium-independent lectin activity. The protein can activate the complement pathway in association with MASPs and sMAP, thereby aiding in host defense through the activation of the lectin pathway. Alternative splicing occurs at this locus and two variants, each encoding a distinct isoform, have been identified. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC204721



Western blot validation of overexpression lysate (Cat# [LY403552]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC204721 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).