

Product datasheet for **SC126138**

FCN3 (NM_173452) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FCN3 (NM_173452) Human Untagged Clone
Tag:	Tag Free
Symbol:	FCN3
Synonyms:	FCNH; HAKA1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_173452 edited

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AGCAAGATGGATCTACTGTGGATCCTGCCCTCCCTGTGGCTTCTCCTGCTTGGGGGGCCT
GCCTGCCCTGAAGACCCAGGAACACCCAGCTGCCAGGACCCAGGGAAGTGAAGCCAGC
AAAGTTGCTCCTGCCCAGTTGTCCCGAGCTCCAGGAAGTCCCTGGGGAGAAGGGAGCC
CCAGGTCCTCAAGGGCCACCTGGACCACAGGCAAGATGGGCCCCAAGGGTGAGCCAGGC
CCCAGAACTGCCGGGAGCTGTTGAGCCAGGGCGCCACCTTGAGCGGCTGGTACCATCTG
TGCCTACCTGAGGGCAGGGCCCTCCAGTCTTTGTGACATGGACACCGAGGGGGCGGC
TGGCTGGTGTTCAGAGGCGCCAGGATGGTTCTGTGGATTTCTCCGCTCTTGGTCTCC
TACAGAGCAGGTTTTGGGAACCAAGAGTCTGAATTCTGGCTGGGAAATGAGAATTTGCAC
CAGCTTACTCTCCAGGTAAGTGGGAGCTGCGGGTAGAGCTGGAAGACTTTAATGGTAAC
CGTACTTTGCGCCACTATGCGACCTTCCGCCTCCTCGGTGAGGTAGACCACTACCAGCTG
GCACTGGGCAAGTTCTCAGAGGGCACTGCAGGGGATTCCCTGAGCCTCCACAGTGGGAGG
CCCTTTACCACCTATGACGCTGACCACGATTCAAGCAACAGCAACTGTGCAGTGATTGTC
CACGGTGCCTGGTGGTATGCATCCTGTTACCGATCAAATCTCAATGGTCGCTATGCAGTG
TCTGAGGCTGCCGCCACAAATATGGCATTGACTGGGCTCAGGCCGTGGTGTGGGCCAC
CCCTACCGCAGGGTTCGGATGATGCTTCGATAGGGCACTCTGGCAGCCAGTGCCCTTATC
TCTCCTGTACAGCTTCCGGATCGTCAGCCACCTTGCCCTTGCCAAACCACCTCTGCTTGCC
TGTCACATTTAAAAATAAAATCATTTTAGCCCTTTCACAAAAA
AAAAAAAA
  
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_173452 unedited <pre> NNCCCGTCACATTTGTATACGACTCATATAGGGCGGCCGGAATTCGCCATTACGGCCGG GGAGCAAGATGGATCTACTGTGGATCCTGCCCTCCCTGTGGCTTCTCCTGCTTGGGGGGC CTGCCTGCCTGAAGACCCAGGAACACCCAGCTGCCAGGACCCAGGGAAGTGAAGCCA GCAAAGTTGTCTCTGCCAGTTGTCCCGGAGCTCCAGGAAGTCTGGGAGAGAGGGAG CCCCAGGTCCTCAAGGGCCACCTGGACCACAGCAAGATGGGCCCAAGGGTGAGCCAG GCCCCAGAACTGCCGGGAGCTGTTGAGCCAGGGCGCCACCTTGAGCGGCTGGTACCATC TGTGCCTACCTGAGGGCAGGGCCCTCCAGTCTTTTGTGACATGGACACGAGGGGGGCG GCTGGCTGGTGTTCAGAGGCGCCAGGATGTTTCTGTGGATTTCTCCGCTCTTGGTCTCT CCTACAGAGCAGGTTTTGGGAACCAAGAGTCTGAATTCTGGCTGGGAAATGAGAATTTGC ACCAGCTTACTCTCCAGGGTAAGTGGGAGCTGCGGCTAGAGCTGGAAGACTTTAATGGTA ACCGTACTTTGCCCCACTATGCGACCTTCCGCTCCTCGGTGAGGTAGACCACTACCAGC TGGCACTGGGCAAGTTCTCAGAGGGCACTGCAGGGGATTCCTGAGCCTCCACAGTGGGA GGCCCTTTACCACCTATGACGCTGACCACGATTCAAGCAACAGCAACTGTGCAGTGATTG TCCACGGTGCCTGGTGGTATGCATCCTGTACCGATCAAATCTCAATGGTCGCTATGCAG TGCTGAAGCT </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_173452
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<u>NM_173452.1</u> , <u>NP_775628.1</u>
RefSeq Size:	1026 bp
RefSeq ORF:	867 bp
Locus ID:	8547
UniProt ID:	<u>O75636</u>
Cytogenetics:	1p36.11
Protein Families:	Druggable Genome, Secreted Protein

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]

Transcript Variant: This variant (2) lacks an alternate in-frame exon, compared to variant 1, resulting in a shorter protein (isoform 2) that lacks an internal segment compared to isoform 1.