

Product datasheet for **SC319934**

FCN1 (NM_002003) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: FCN1 (NM_002003) Human Untagged Clone
Tag: Tag Free
Symbol: FCN1
Synonyms: FCNM
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC (PS100020)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_002003.2
 AGAGTCAAAGGCCAGAGAGCATGGAGCTGAGTGGAGCCACCATGGCCCGGGTCTCGCTG
 TCCTGCTAGTCTTGTTCCTGCATATCAAGAACCTGCCTGCCAGGCTGCGGACACATGTC
 CAGAGGTGAAGGTGGTGGCCTGGAGGGCTCTGACAAGCTCACCAATTCTCCGAGGCTGCC
 CGGGGCTGCCCGGGGCCAGGGCCAAAGGGAGAGGCAGGTGTCATTGGAGAGAGAGGAG
 AACCGGTCTCCCTGGAGCCCTGGAAAGGCAGGACCAGTGGGGCCAAAGGAGACCGAG
 GAGAGAAGGGATGCGTGGAGAGAAAGGAGACGCTGGGCAGTCTCAGTCGTGTGCGACAG
 GCCCACGCAACTGCAAGGACCTGCTAGACCGGGGTATTTCTGAGCGGCTGGCACACCA
 TCTACCTGCCGACTGCCGGCCCTGACTGTGCTCTGTGACATGGACACGGACGGAGGGG
 GCTGGACCGTTTTCCAGCGGAGGATGGATGGCTCTGTGGACTTCTATCGGACTGGGCCG
 CATAACAAGCAGGGCTTCGGCAGTCAGCTGGGGAGTTCTGGCTGGGGAACGACAACATCC
 ACGCCCTGACTGCCAGGAAGCAGCGAGCTCCGTGTAGACCTGGTGGACTTTGAGGGCA
 ACCACCAGTTTGCTAAGTACAAATCATTCAAGGTGGCTGACGAGGAGAGAAGTACAAGC
 TGGTACTGGGAGCCTTTGTGGGGCAGTGCAGGTAATTCTCTAACGGGCCACAACAACA
 ACTTCTTCTCCACCAAGACCAAGACAATGATGTGAGTCTTTCGAATTGTGCTGAGAAAGT
 TCCAGGGAGCCTGGTGGTACGCCGACTGTATGCTTCAAACCTCAATGGTCTCTACCTCA
 TGGGACCCCATGAGAGCTATGCCAATGGTATCAACTGGAGTGGCGGAAGGGGTACAAT
 ATAGCTACAAGGTGTGAGAGATGAAGGTGCGGCCCGCCTAGACGGGCCAGGACCCCTCCA
 CATGCACCTGCTAGTGGGGAGGCCACCCACAAGCGCTGCGTCTGGAAGTCACCCCAT
 TTCCCCAGCCAGACACACTCCCATGACGCCACAGCTGCCCTTTGCCCCAGCTCAGTC
 AAGCCGCCACATGCCACAACCTCACCAGAGGGAGAATTATGTTTCTAAATATGTTTACT
 TTGGGACAGAAAAGAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire
ACCN: NM_002003



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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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<ol style="list-style-type: none">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_002003.2</u> , <u>NP_001994.2</u>
RefSeq Size:	1292 bp
RefSeq ORF:	981 bp
Locus ID:	2219
UniProt ID:	<u>O00602</u>
Cytogenetics:	9q34.3
Domains:	FBG, Collagen
Protein Families:	Druggable Genome, Secreted Protein
Gene Summary:	The ficolin family of proteins are characterized by the presence of a leader peptide, a short N-terminal segment, followed by a collagen-like region, and a C-terminal fibrinogen-like domain. The collagen-like and the fibrinogen-like domains are also found separately in other proteins such as complement protein C1q, C-type lectins known as collectins, and tenascins. However, all these proteins recognize different targets, and are functionally distinct. Ficolin 1 encoded by FCN1 is predominantly expressed in the peripheral blood leukocytes, and has been postulated to function as a plasma protein with elastin-binding activity. [provided by RefSeq, Jul 2008]