

Product datasheet for **SC304354**

Ficolin 2 (FCN2) (NM_015837) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ficolin 2 (FCN2) (NM_015837) Human Untagged Clone
Tag:	Tag Free
Symbol:	FCN2
Synonyms:	EBP-37; FCNL; ficolin-2; P35
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC304354 representing NM_015837. Blue=Insert sequence Red=Cloning site Green=Tag(s)

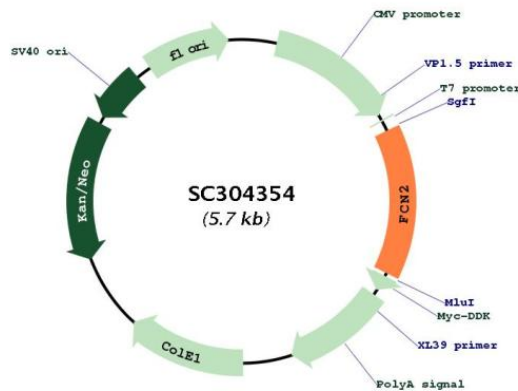
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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC CGATCGCC
ATGGAGCTGGACAGAGCTGTGGGGTCTGGGCGCTGCCACCCTGCTGCTCTTTCTGGGCATGGCC
TGGGCTCTCCAGGCGGCAGACACCTGTCCAGGAGAACGTGGCCCCCTGGACCTCCTGGGAAGGCAGGA
CCACCTGGGCCAACGGAGCACCTGGGGAGCCCCAGCCGTGCCTGACAGGCCCGGTACCTGCAAGGAC
CTGCTAGACCGAGGGCACTTCTGAGCGGCTGGCACACCATCTACCTGCCGACTGCCGGCCCCTGACT
GTGCTCTGTGACATGGACACGGACGGAGGGGGCTGGACCGTTTTCCAGCGGAGGGTGGATGGCTCTGTG
GACTTCTACCGGGACTGGCCACGTACAAGCAGGGCTTCGGCAGTCGGCTGGGGGAGTTCTGGCTGGGG
AATGACAACATCCACGCCCTGACCGCCAGGGAACAGCGAGCTCCGTGTAGACCTGGTGGACTTTGAG
GACAACACTACAGTTTGTAAAGTACAGATCATTC AAGGTGGCCGACGAGGCGGAGAAGTACAATCTGGTC
CTGGGGGCCTTCGTGGAGGGCAGTGC GGAGATTCCCTGACGTTCCACAACAACCAAGTCTTCTCCACC
AAAGACCAGGACAATGATCTTAACACCGGAAATTTGTGCTGTGATGTTTCAGGGAGCTTGGTGGTACAAA
AACTGCCATGTGTCAAACCTGAATGGTCGCTACCTCAGGGGGACTCATGGCAGCTTTGCAAAATGGCATC
AACTGGAAGTCGGGGAAGGATACAATTATAGCTACAAGGTGTCAGAGATGAAGGTGCGACCTGCC TAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:


ACCN: NM_015837

Insert Size: 828 bp

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:

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_015837.2](#)

RefSeq Size: 943 bp

RefSeq ORF: 828 bp

Locus ID:	2220
UniProt ID:	Q15485
Cytogenetics:	9q34.3
Protein Families:	Druggable Genome, Secreted Protein, Transmembrane
MW:	30.2 kDa
Gene Summary:	<p>The product of this gene belongs to the ficolin family of proteins. This family is 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. This gene is predominantly expressed in the liver, and has been shown to have carbohydrate binding and opsonic activities. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (SV1) lacks an in-frame segment of the coding region, compared to variant 1. It encodes a shorter isoform (b), that is missing an internal segment compared to isoform a.</p>