

## Product datasheet for **RG218750**

### Ficolin 2 (FCN2) (NM\_015837) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ficolin 2 (FCN2) (NM_015837) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FCN2
Synonyms:	EBP-37; FCNL; ficolin-2; P35
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG218750 representing NM_015837 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGCTGGACAGAGCTGTGGGGTCTGGGCGCTGCCACCCTGCTGCTCTCTTTCTGGGCATGGCCT  
GGGCTCTCAGGCGGCAGACACCTGTCCAGGAGAACGTGGCCCCCTGGACCTCTGGGAAGGCAGGACC  
ACCTGGGCCAACGGAGCACCTGGGAGCCCCAGCCGTGCCTGACAGGCCCGGTACCTGCAAGGACCTG  
CTAGACCGAGGGCACTTCTGAGCGCTGGCACACCATCTACCTGCCGACTGCCGGCCCTGACTGTGC  
TCTGTGACATGGACACGGACGGAGGGGCTGGACCGTTTTCCAGCGGAGGGTGGATGGCTCTGTGGACTT  
CTACCGGACTGGCCACGTACAAGCAGGGCTTCGGCAGTCGGCTGGGGAGTTCTGGCTGGGGAATGAC  
AACATCCACGCCCTGACCGCCAGGGAACCAGCGAGCTCCGTGTAGACCTGGTGGACTTTGAGGACAACT  
ACCAGTTTGCTAAGTACAGATCATTCAAGTGGCCGACGAGGCGGAGAAGTACAATCTGGTCTGGGGGC  
CTTCGTGGAGGGCAGTGCGGGAGATTCCCTGACGTTCCACAACAACAGTCCTTCTCCACCAAAGACCAG  
GACAATGATCTTAACACCGGAAATTGTGCTGTGATGTTTCAGGGAGCTTGGTGGTACAAAACTGCCATG  
TGCAAACTGAATGGTCGCTACCTCAGGGGACTCATGGCAGCTTTGCAATGGCATCAACTGGAAGTC  
GGGAAAGGATACAATTATAGCTACAAGGTGTCAGAGATGAAGGTGCGACCTGCC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG218750 representing NM\_015837  
 Red=Cloning site Green=Tags(s)

MELDRAVGLGAATLLL SFLGMAWALQAADTC PGERGPPGPPGKAGPPGPN GAPGEPQPCLTGPRTCKDL  
 LDRGHFLSGWHTIYLPDCRPLTVL CDMTDGGGWTVFQRRVDGSVDFYRDWATYKQGF GSRLGEFWLGND  
 NIHALTAQGTSELRVDLVDFEDNYQFAKYRSFKVADEAEKYNLVLGAFVEGSAGDSLTFHNNQSFSTKDQ  
 DNDLNTGNCAVMFQGAWWYKNCHVSNLNGRYLRGTHGSFANGINWKS GKGYNYSYK VSEMKV RPA

TRTRPLE - GFP Tag - V

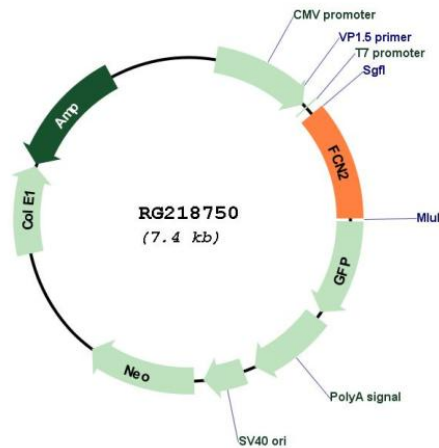
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



**Plasmid Map:**



**ACCN:** NM\_015837

**ORF Size:** 825 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_015837.2</a> , <a href="#">NP_056652.1</a>
<b>RefSeq Size:</b>	943 bp
<b>RefSeq ORF:</b>	828 bp
<b>Locus ID:</b>	2220
<b>UniProt ID:</b>	<a href="#">Q15485</a>
<b>Cytogenetics:</b>	9q34.3
<b>Protein Families:</b>	Druggable Genome, Secreted Protein, Transmembrane
<b>Gene Summary:</b>	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]