

## Product datasheet for **RG220435**

### FCN3 (NM\_003665) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** FCN3 (NM\_003665) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** FCN3  
**Synonyms:** FCNH; HAKA1  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG220435 representing NM\_003665  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGGATCTACTGTGGATCCTGCCCTCCCTGTGGCTTCTCCTGCTTGGGGGCCTGCCTGCCTGAAGACCC  
AGGAACACCCAGCTGCCAGGACCCAGGGAAGTGAAGCCAGCAAAGTTGTCCTCCTGCCAGTTGTCC  
CGGAGCTCCAGGAAGTCTGGGGAGAAGGGAGCCCAAGTCTCAAGGGCCACCTGGACCACCAGGCAAG  
ATGGGCCCAAGGGTGAAGCAGGAGATCCAGTGAACCTGCTCCGGTGCCAGGAAGGCCCCAGAACTGCC  
GGGAGCTGTTGAGCCAGGGCGCCACCTTGAGCGGCTGGTACCATCTGTGCCTACCTGAGGGCAGGGCCCT  
CCCAGTCTTTTGTGACATGGACACCGAGGGGGCGGCTGGCTGGTGTTCAGAGGCGCCAGGATGGTTCT  
GTGGATTTCTCCGCTCTTGGTCTCCTACAGAGCAGTTTTGGGAACCAAGAGTCTGAATTTCTGGCTGG  
GAAATGAGAATTTGCACCAGCTTACTCTCCAGGTAAGTGGGAGCTGCGGGTAGAGCTGGAAGACTTTAA  
TGGTAACCGTACTTTGCCCCACTATGCGACCTTCCGCCTCCTCGGTGAGGTAGACCACTACCAGCTGGCA  
CTGGGCAAGTTCTCAGAGGGCACTGCAGGGGATCCCTGAGCCTCCACAGTGGGAGGCCCTTTACCACCT  
ATGACGCTGACCAGATTCAAGCAACAGCAACTGTGCAGTGATTGTCACGGTGCCTGGTGGTATGCATC  
CTGTTACCGATCAAATCTCAATGGTCGCTATGCAGTGTCTGAGGCTGCCGCCACAAATATGGCATTGAC  
TGGGCTCAGGCCGTGGTGTGGCCACCCCTACCGCAGGGTTCGGATGATGCTTCA

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA



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<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_003665.4</a>
<b>RefSeq Size:</b>	1059 bp
<b>RefSeq ORF:</b>	900 bp
<b>Locus ID:</b>	8547
<b>UniProt ID:</b>	<a href="#">O75636</a>
<b>Cytogenetics:</b>	1p36.11
<b>Protein Families:</b>	Druggable Genome, Secreted Protein
<b>Gene Summary:</b>	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]