

## Product datasheet for **RG216492**

### ANGEL2 (NM\_144567) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ANGEL2 (NM_144567) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ANGEL2
Synonyms:	Ccr4d; KIAA0759L
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG216492 representing NM\_144567  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGAAGCCTGGCGCTGTGTGAGGAAGGGCTACGGCCACTGTGTGGTGGGAAGAGGCCGATACCCCATGT  
 TTCCCATCACTCGAGGAGTCTGGGCAGAGACTGGACTACACCGTGGGAGAATCTGCAAAGGTGTTGCTG  
 GAACAGACATATTTCTAGTTGTATGAGGTGGCCTGGACATTACTCTCGAGCTCCTTACCCATACTTCAGT  
 AGTAGGCATTTTTCACTAAATTGGAGACCACCTGTTTGTGTTGAGTCTAGAACTCAGTTCAGTACTGTA  
 ACTGGAGACCTGACAACCTGAGCCAGACATCTTTGATTCATCTCTAGTTACGTCATGAACGCTGAGGG  
 AGATGAGCCTTCATCAAAACGAAGAAAACCAAGGTGTGATAAAGCGGAATTGGGAATATATATGTAGC  
 CATGATAAAGAAAAACGAAGATCCTAGGAGACAAAAATGTTGATCCCAATGTGAAGACAGTGAGAACA  
 AGTTTGACTTTTCAGTGATGTCCTATAATATACTTTCAACAAGATTTACTGGAAGATAACTCTCACCTTTA  
 TAGACATTTGCCGGCGCCAGTATTACACTGGAGTTTTAGGTTTCCCAATATTCTGAAAGAAATTAACAT  
 TTTGATGCAGACGTACTTTGTTGCAAGAAGTTCAAGAAGATCATTATGGAGCAGAGATCAGGCCAAGTT  
 TGGAACTACTGGGTTATCACTGTGAATATAAGATGCGGACAGGAAGGAAACCTGATGGCTGTGCTATTTG  
 CTTCAAACATTCCAAATTTTCACTCTTGTGAGTGAACCCAGTGGAAATCTTCCGCCCTGATATTTCTCTG  
 TTGGACAGAGACAATGTTGGATTAGTTTTACTCTTACAGCCAAAATTCATATGCTGCCTGCCCTGCAA  
 TCTGCGTAGCAAATACGCATCTGTTGTATAATCCAAGGCGAGGTGATATTAAGCTGACGCAATTGGCAAT  
 GCTACTGGCAGAGATTTCCAGTGTGCCCACCAGAAAGATGGCAGCTTCTGCCCTATTGTTATGTGTGGT  
 GACTTTAATCTGTTCTGGTTCTCCACTATAGTTTTCATAAAGGAAGGAAAATTTGAATTATGAAGGAC  
 TTCCCATAGGAAAGGTATCTGGCCAGGAACAGTCTTACGGGGACAAAGAAATTTATCTATTCCAATTTG  
 GCCCCAAACCTAGGTATCTCACAGAAGTGTGTATGAGGTACAGCAGGTACCAAAAGTAGAAAAGACA  
 GACAGTGTCTGACACAAACACAGCTGAAGCAACAGAGGTCCTAGTGACAGCTGAAAAATTGTCTTCAA  
 ATTTACAGCACCATTTTCAGTTTGTGATCTGTTTATTACATTACTTTCTGACACTGGAATTCAGAAAGT  
 GACCACCTGTCTATCCCGAAGTGCCATAACTGTGGATTATATTTTCTACTCTGCAGAAAAGGAAGATGTT  
 GCTGGGCACCCAGGAGCTGAAGTTGCTTTGGTTGGTGGCTTGAACTTCTAGCTAGACTGCACTTCTTA  
 CAGAACAAGACTTATGGACTGTTAATGGACTTCCAACGAAAATAACTCTTCAGATCATCTGCCTTTATT  
 GGCAAAGTTCAGACTTGAGCTC

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>RG216492 representing NM\_144567  
 Red=Cloning site Green=Tags(s)

MEAWRCVRKGYGHCVVGRGRYPMPHHSRSLGRDWTPWENLQRCCWNRHISSCMRWPGHYSRAPYPYFS  
 SRHFSLNWRPPCLFESRTQFYCNWRPDNLSQTSLIHLSSYVMNAEGDEPSSKRRKHQGVIKRNWEYICS  
 HDKEKTKILGDKNVDPKCEDSENKFDVSVMSYNILSQDLEDNSHLRHCRRPVLHWSFRFPNLIKELKH  
 FDADVLCLEQVQEDHYGAEIRPSLESGLYHCEYKMRTRGRKPDGCAICFKHKSFLLSVNPVEFFRPDISL  
 LDRDNVGLVLLLQPKIPYAACPACVANTHLLYNPRRGDIKLTQLAMLLAEISSVAHQKDGSCFPIVMCG  
 DFNSVPGSPLYSFIKEGKLNIEGLPIGKVSQEQSSRGRILSIPIWPPNLGISQNCVYEVQVQVPEKT  
 DSDLTQTQLKQTEVLVTAEKLSNLQHHFSLSSVYSHYFPDTGIPEVTTCHSRSAITVDYIFYSAEKEDV  
 AGHPGAEVALVGGLKLLARLSLLTEQDLWTVNGLPNENNSDHLPLLAKFRLEL

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

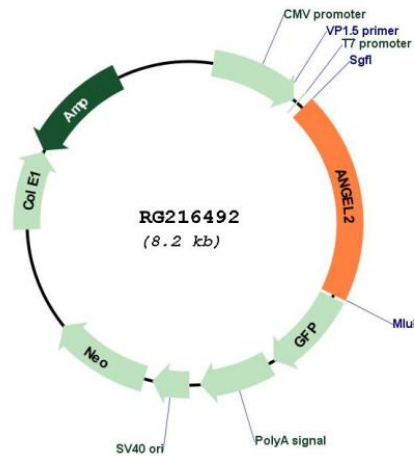
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



<b>ACCN:</b>	NM_144567
<b>ORF Size:</b>	1632 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_144567.5</a>
<b>RefSeq Size:</b>	4668 bp
<b>RefSeq ORF:</b>	1635 bp
<b>Locus ID:</b>	90806
<b>UniProt ID:</b>	<a href="#">Q5VTE6</a>
<b>Cytogenetics:</b>	1q32.3