

## Product datasheet for **RG214261**

### DAGLA (NM\_006133) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	DAGLA (NM_006133) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	DAGLA
Synonyms:	C11orf11; DAGL(ALPHA); DAGLALPHA; NSDDR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG214261 representing NM_006133 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCCCGGATCGTGGTGTCCGGCGGCGCTGGTCTGTGGGCAGTGATGACCTCGTCTACCGCCATCT  
TCCTCTTCTCCTGCATACCACCTGGTTTGTGATCCTGTCCGTGGTGCTCTTCGGCTGGTCTATAACCC  
GCACGAGGCTGCTCCCTGAACCTGGTGGACCACGGCCGCGCTACCTGGGCATCCTGCTGAGCTGCATG  
ATCGTGAGATGGCCATCATCTGGTGGACATGCGCGGGGCATCCTCTACACGGAGCCCGTGACTCCA  
TGCAGTACGTGCTCTACGTGCGCCTGGCCATCCTGGTATCGAGTTCATCTACGCCATCGTGGGCATCGT  
CTGGCTCACTCAGTACTACACCTCCTGCAACGACCTCACTGCCAAGAATGTCACCCCTCGGAATGGTTGTC  
TGCAACTGGGTAGTCATCCTCAGTGTGTGCATCACTGTCCTCTGCGTCTTCGACCCACGGCCGACCT  
TTGTCAAGCTGAGAGCCACCAAGAGGAGGCAGCGTAACCTGCGGACCTACAACCTGCGGCACCGCTTAGA  
GGAGGGTCAAGCCACAGCTGGTCGCGCCGGCTCAAAGTGTCTCTGCTGCACGCGGACGAAGGACTCC  
CAGTCAGATGCCTACTCAGAAATCGCCTACCTCTTTCGGAGTTCCTTCGGGACCTTGACATTGTCCAT  
CCGACATCATTGCTGGCCTGGTGTCTCCGGCAGCGGCAGCGGGCAAGCGCAACGCCGTGCTGGACGA  
GGCAAACAATGACATCTTGGCCTTCTGTCTGGGATGCCGGTGACCAGAAACACCAAGTACCTCGACCTC  
AAGAATTCACAAGAGATGCTCCGCTACAAGAGGTCTGCTACTACATGCTCTTTGCCCTGGCTGCCTACG  
GGTGGCCATGTACCTGATGCGGAAGCCCGCCTGCGGCCCTGCAACTGGCTCGTCTGCTCGTGTG  
CCTGTGTCTGCGAGGCCGCGGTTCCGCCCTGGAGTACCATCGAGGAAGACAACCTGCTGTGGTGTAA  
GCCATTGCCATCCGGCGCCACTTCTGGACGAGAACATGACTGCGGTGGACATCGTCTATACCTCCTGCC  
ATGATGCGGTCTATGAAACGCCCTTCTACGTGGCGGTGGACCATGACAAGAAGAAAGTGGTATCAGTAT  
CCGGGGGACCCTGTCCCAAGGATGCCCTGACTGACCTGACGGGTGATGCTGAGCGCCTCCCGTGGAG  
GGGCACCACGGCACCTGGCTGGGCCACAAGGTATGGTCTCTCAGCTGAGTACATCAAGAAGAACTGG  
AGCAGGAGATGGTCTGTCCAGGCCTTGGGCGAGACCTGGGCCGGAACCAACACTACGGCCTGAT  
TGTGGTGGCCACTCCCTGGGCGGGGACTGCTGCCATCTCTCTTCTTCTGCGCCACAGTATCCG



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ACCCTCAAGTGCTTTGCCTACTCCCCGCCAGGGGCTGCTGAGTGAGGATGCGATGGAGTATTC AAGG  
 AGTTTCGTGACTGCTGTGGTTCTGGGCAAAGACCTCGTCCCCAGGATTGGCCTCTCTCAGCTGGAAGGCTT  
 CCGCAGACAGCTCCTGGATGTCTGCAGCGAAGCACC AAGCCAAATGGCGGATCATCGTGGGGGCCACC  
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 CCCACCCAGCGACCTAACTATAGCCCTCTCAGCCAGCACTCCACTCTACCCGCCGGCCGCATCATCCA  
 CGTGGTCCACAACCACCCTGCAGAGCAGTGTCTGCTGTGTGAGCAGGAGGAGCCACATACTTTGCCATC  
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 TGGTCATGGAGGGGCTCAACAAGGTGCTGGAGA ACTACAACAAGGGGAAGACCGCTCTGCTCTGCAGC  
 CAAGGTGATGGT GAGCCCTACCGAGGTGACTGACTCCTGAGCTCATCTTCCAGCAGCAGCCACTCCCC  
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 GGAGCAAGTCCCAGTCTGAGATGAGCCTGGAGGGCTTCTCGGAGGGGGCGGCTGCTGTGCCAGTGGTTGC  
 GGCGGGCGCCCGCAGGACCCGGTGGAGCTGCTGCTGTCTACCCAGGAGCGGCTGGCGGGGAGCTG  
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 GCGTCACTCCTGAGCGGGCCCCAGTGCTGCGGCAATGACGAGGAGGAAGAGGTTGGCGGTGGGGTGG  
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 GATCCTGCTCCGTGCCAGTTCGAGCCCAACCTGGTGGCAAGCCCCACGGCTCTTGGCGGCTCAGCC  
 GACCCCTCCTCGGCATCTCACTCTCGCCCTCCTTCCGCTCAGCTCCTCGGGT GAGCTCATGGACTGA  
 CGCCACGGGCTCAGTAGCCAGGAATGCCTGGCGGCTGACAAGATCCGGACTTCTACCCCACTGGCCA  
 CGGAGCCAGCCCCCAAGCAAGATGAGTGGTGCATCTCAGCACGC

ACGCGTACGCGGGCGCTCGAG – GFP Tag – GTTTAA

**Protein Sequence:**

>RG214261 representing NM\_006133  
 Red=Cloning site Green=Tags(s)

MPGIVVFRRRWSVGSDDLVLPAIFLFLHHTWFVILSVVLFGLVYNPHEACSLNLVDHGRGYLGILLSCM  
 IAEMAIWL SMRGGILYTEPRDSMQYVLYVRLAILVIEFIYAIVGIVWL TQYYTSCNDL TAKNVTLGMVV  
 CNWVVILSVCITVLCVFDPTGRTFVKLRATKRRQRNLRTYNLRHRLEEQATSWSRRLKVF LCCTRKDS  
 QSDAYSEIAYLFAEFFRDLDIVPSDIIAGLVLLRQRQRAKRNAVLDEANNDILAF LSGMPVTRNTKYLDL  
 KNSQEMLRKYKVCYMLFALAAYGWPMYLMRKPACGLCQLARSCSCCLCPARPRFAPGVTIEEDNCCGN  
 AIAIRRHFLDENMTAVDIVYTSCHDAVYETPFYVAVDHDKKKVVISIRGTLSPKDALTDLTGDAERLPVE  
 GHHGTWLGHKGMVLSAEYIKKKLEQEMVLSQAFGRDLGRGTHYGLIVVGHSLGAGTAAILSFLLRPQYP  
 TLKCFAYSPPGGLLSEDAMEYSKEFTAVVLGKDLVPRIGLSQLEGFRRQLLDVLRSTKPKWRIIVGAT  
 KCIPKSELPEEVEVTTLASTRLWTHPSDLTIALSASTPLYPPGRIIHVVHNHPAEQCCCEQEPTYFAI  
 WGDNAFNEV IISPAMLHEHPYVYVMEGLNKVLENYNKGKTALL SAAKVMVSPTEVDLTPELIFQQPLP  
 TGPPMPTGLALELPTADHRNSSVRSKQSSEMSLEGFSEGRLLSPVAAAAARQDPVELLLLSTQERLAAEL  
 QARRAPLATMESLSDTESLYSFDSSRSGFRSIRGSPSLHAVLERDEGHLYIDPAIPEENPSLSRTEL  
 LAADSLSKHSQDTQPLEAALGSGGVTPERPPSAAANDEEEEVGGGGGPARSGELALHNGRLGDSPPSQV  
 LEFAEFIDSLFNLDKSSSFQDLYCMVVPESPTSDY AEGPKSPSQEILLRAQFEPNLV PKPPRLFAGSA  
 DPSSGISLSPSFPLSSSGELMDLTPTGLSSQECLAADKIRTSTPTGHGASPAKQDELVISAR

TRTRPLE – GFP Tag – V

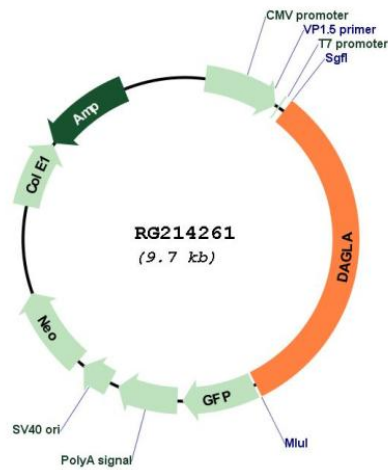
**Restriction Sites:**

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_006133

ORF Size: 3126 bp

OTI Disclaimer: 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. [More info](#)

<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_006133.3</a>
<b>RefSeq Size:</b>	5761 bp
<b>RefSeq ORF:</b>	3129 bp
<b>Locus ID:</b>	747
<b>UniProt ID:</b>	<a href="#">Q9Y4D2</a>
<b>Cytogenetics:</b>	11q12.2
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>Gene Summary:</b>	This gene encodes a diacylglycerol lipase. The encoded enzyme is involved in the biosynthesis of the endocannabinoid 2-arachidonoyl-glycerol.[provided by RefSeq, Nov 2010]