

## Product datasheet for **MG203515**

### Zdhhc21 (NM\_026647) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Zdhhc21 (NM_026647) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Zdhhc21
Synonyms:	9130404H11Rik; AL024349; D130004H04Rik; dep
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG203515 representing NM_026647 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGTCTTCGGATTCACCTTTGTTGTTGACCCGCATGGTTGGTGCATGGGCTTGATTGTCTTTGTCT  
GGTTATACAATATTGTTATAATCCCAAATTGCCTCTTTCCTCACTATGAAGAAGGACATATTCCTGG  
CATTTTAATAATAATATTCTATGGCATTCCATATTTGCCTGGTTGCCTTAGTGAGGGCCTCCTAACT  
GATCCTGGAAGACTCCCTGAAAAATCCCAAGATCCACATGCAGAGCGGGAGCTGTGGGAGCTCTGCAACA  
AGTGCAACCTGATGAGGCCGAAGCGCTCCCACTGCAGCCGCTGCGGCCACTGCGTCAGGAGGATGGA  
CCATCACTGTCCCTGGATAAACAATTGTGTGGTGAAGACAACCATGGCTCTTCTGCAGTTGTGTTTC  
TACACTGAGCTGCTTACTTGCTACGCACTGATGTTTTCTTCTGCCATTATTATTATTTCTTCCACTAA  
AAAAGCGTAACCTGGATCTCTTTGTTGTTGCGCATGAGCTGGCTATCATGAGACTAGCTGCCTTCATGGG  
CATCACTATGTTAGTTGGAATAACTGGACTCTTCTATACAACTGATTGGCATCATCACAGATAACA  
TCTATTGAAAAATGTCAAATTGTTGTGAAGAAATATCGCGGCCCGAAAGCCATGGCAGCAGACCTTCT  
CAGAAGTTTTGGCACTCGTTGGAAGATCCTGTGGTTCATTCTTTCAGGCAGCGCAACCACTGCGAGT  
TCCCTACCACTTTGCCAATCACGTC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG203515 representing NM\_026647  
 Red=Cloning site Green=Tags(s)

MGLRIHFVVDPHGWCCMGLIVFVWLYNIVIIPKIVLFPHYEEGHIPGILIIIFYGISIFCLVALVRASLT  
 DPGRLPENPKIPHAERELWELCNKCNLMRPKRSHHCSRGCVCVRRMDHHCWPINNCVGEDNHWFLQLCF  
 YTELLTCYALMFSFCHYYYFLPLKRNLDLFVVRHELAIMRLAAFMTMLVGITGLFYTLIGIITDIT  
 SIEKMSNCCEEISRPRKPWQQTSEVFGTRWKILWFIPFRQRQPLRVPHYHFANHV

TRTRPLE - GFP Tag - V

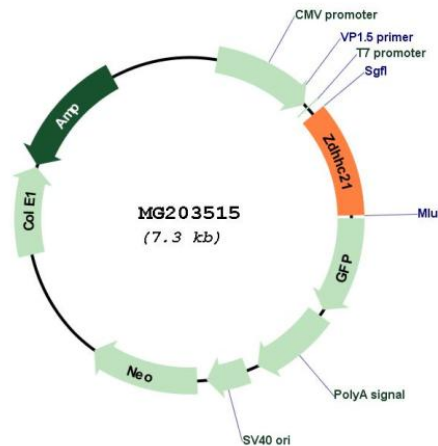
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



**Plasmid Map:**



**ACCN:** NM\_026647

**ORF Size:** 795 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_026647.4</a>
<b>RefSeq Size:</b>	4785 bp
<b>RefSeq ORF:</b>	798 bp
<b>Locus ID:</b>	68268
<b>UniProt ID:</b>	<a href="#">Q9D270</a>
<b>Cytogenetics:</b>	4 C3
<b>Gene Summary:</b>	Palmitoylates sex steroid hormone receptors, including ESR1, PGR and AR, thereby regulating their targeting to the plasma membrane. This affects rapid intracellular signaling by sex hormones via ERK and AKT kinases and the generation of cAMP, but does not affect that mediated by their nuclear receptor (By similarity).[UniProtKB/Swiss-Prot Function]