

## Product datasheet for **MG217648**

### C77080 (NM\_001033189) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** C77080 (NM\_001033189) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** C77080  
**Synonyms:** Kiaa1522; mKIAA1522  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG217648 representing NM\_001033189  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCGGCCCGCGCGCCCCCGCCGACCTGCGGCCGACGAGCCTGGGAGCCCCGGCGGCCCGCGCA  
 GGAAGAAGTCCCCTCCGGCCTCCGCCGTGCTTCAGTGGTGAGGGGCAAACGGCGCAAGAAGAAGGC  
 GGCCGGGGCCGAGGGCGCCGAGTCCACAGCCTCGCGGGTAAGAAAGCGGACGACAAGGCCAAGCGGGC  
 AAGGGCAAAGCCGAGGCTCTGCTAAGGCCGAGAGTGACAACCGTCAGGGCGCAGGGCCAGCCAGGGC  
 CAGGATCTGTAGGAGATGAACCTCAGGACAACGTTTTCTTCCCCAGTGGGAGACCTCCTCATCTGGAAGA  
 GCTGCACACACAGGCCAGGAGGGGCTCCGCTCCCTCCAGCACCAGAAAGACAGAAGCTGAGCAAGGGC  
 GGCTGGGACCATGGAGACACCCAGAGCATCCAGTCCCTCCAGACGGGGCCGGATGAAGATACCATCTCCA  
 TCTACAGCCAGAAGTCATACATGACGGAGAGCTCCACCGCGGAGGATGCGCTCTCCGTCGGCTCGGAGAT  
 GATTCAGCGCAGAGGCTCCACCTTCAGACCCCATGACTCATTTCCCAAATCTGGGAAGTCAGGAAGGCGA  
 CGGAGGGAGCGAAGGAGCACGGTGTGGGGTGCCTCAGCACGTGCAGAAGGAGCTCGGCCTGCGGAACA  
 ACCGTGAGGCACCGGGCACTCCACAGCCTCCTGGTTACGGGACGCTGTCCGCATCCCCACGGTGGATGG  
 TCGCCCCGGTCTGGCCTTAGGGACAGGGGTCCGAGTGTCCCTGCAGGCTCTGGAAGCAGAAACAGAGGCC  
 GGCACAGATGCAGAGGCTGTCATCCAGCGCCACATCGACCGTGTTCACACGATGACAGCTTGTGGCC  
 GATCCACGGGAGCCCGCCACCGCACTGACGAGGCCAATGTCTCTCGCAGTGCCTGGACTGACAGGAGG  
 AGCAGGATCTCCAGGCCACTGAGCCCAGCCATGTCAATCTCACCCAGGCCACCTACTTGTGGAAGCTG  
 ATCCCGCACGCCGTGCTGCCGCCACCGTGGATGTGGTGGCCCTGGGCCGACGAGCCTGCGCACTCTGA  
 GCCGTTGACGCTGCTCTGCCAGCCAGCTTCGGTTCGCTCCCTGGGCCGCTTCTCCTCGGCTCCAG  
 TCCACGGCCCCGAGCCGCAACGCTTCTCGTCCAGTGACAACCTGGAGCCACTCTCAGTCTCCGAGACC  
 ATTGTGTCTGATGGTCCACTCTTCTCTAAGGGGGGCTCTGAGGGCCAGCCAGAAGGCTCTGTAGCTA  
 GCAATAATGTGGCGCCCCCTCCTCAGGCGGTAGTGGCGGGGCTCCCCAGCGGGGTAGCACTGCGGA  
 GACCTCAGACACGGCCAGCATCCGAAGCAGTGGGAGCTGTCTGGCAGGAGTGTCTCCCTGCGTAAGATG



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AAACGGCCTCCCCCGCTCCCCGCCGACCTACTCCCTCCATCAGCGCGGCTCCGAGTGCCTGATGGGC  
 CCTTAGGGTTGCCGCCAAACCTGAGCGAAAGCAGCAGCCACAGCTGCCTCGGCCGCCACTGCGGGTGG  
 CTCTTCAGGGGTGGGGCAGTATCTTGTCCACCAGCTCAGCAGGCACCTGGGGCTCTGGCTTGCCCA  
 GGTGGCTCCAGGCGTCCCCACGTTCCCAAGAACGGACACTTTCACCTTCAAGTGGCTACTCGAGCCAGA  
 GCGGTACCCCAACTCTCCCTCCCAAGGGTCTGGCAGTTGCCCTGCTTCCCAGGCAAGGCTCAGCCCC  
 CAAACAGATCGAGTGACATCCCTTCGATCTCTGGGGCTCTGTATCCTTCCCTTACATCTCTGTGT  
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 TGTCATACCTCCTCATCCCAAGGTGCCTGCTCCTTTCTCTCCACCACCTTCCAAGTCCAAGAGCTCGAA  
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 CACCCCCACCATCCCCACCCCACTTACCATCCACCCACCACCTACTAAGAAGCCGGAGGTGCTGGA  
 GGAGGCCACCTCCTCCGAAGCTGCTGTGGAGATCCTTCCAGATCCCAGCTGGCCGCCGCCACCACCA  
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 GCCCTGAGCTTGGCCCTCTGGAGTCTGCAGCTCTGAGGCTGCCGTCCCCCAGCTGCTAGCTTGCCCA  
 GACTCCTCGCCAGCTCCACCTCTAGTCTGGATCAGAACCTCTGGCCAGGCTCCACAGAAGGACTCA  
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 TGGTCCGGCTTCGCTCTGTGGGTCTTCCACAGGATTCCGAACCCTTCTCCGGGTTTCATCGGCCCTCA  
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 GCCGTCCGACTCAAGGCCTTAGCCTGGCTGCCAGTGAGAGTCTCGAGTGTCTGCCACTGGAATAC  
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 AAAACTGCAGCTGGAGAGGCCGTGTCCCCGAGGCCAGGCTGACCTCCAGCGGAATCTGGTGGCTGAA  
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 TGGCCCGCAAACCCTCAGTGGGAGTCCCTCCTCGTCCCCAGTCTTCCCAGGACGGAGTCTTACTGCT  
 TCCATCCACCAATGGGCTCCCTCAGCTGAGGACAGGACTAACGGGGAGCTGGCGGAGAATGGAGGTGTG  
 CAGCTGGCTGCTACAGAGAAGATGGGCTCCCCTGGTTCAGATCCACAGAAGAACTGGTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:**

>MG217648 representing NM\_001033189

Red=Cloning site Green=Tags(s)

MAARAPPAAPADEPGSPGPPRRKRSRSLRRAF SWLRGKRRKKAAGAEGAESTASRAKKADDKAKRA  
 KGKSRGSAKAESDNRQAGAPSGQPGSVGDELQDNVFFPSGRPPHLEELHTQAQEGLRSLQHQRKLSKG  
 GWDHGDTSIQSSQTGPDEDTISIYSQKSYMTESSSTAEDALSVRSEMIQRRGSTRPHDSFPKSGKSGRR  
 RRERRSTVGLPQHVKELGLRNNREAPGTPQPPGSRDAVRIPTVDGRPLALGTGVRVSLQALEAETEA  
 GTDAEAVIQRHIDRVYHDDL VGRSTGARPPPLTRPMSLAVPGLTGGAGSPEPLSPAMSI SPQATYLSKL  
 IPHAVLPPTVDVVALGRSSLRTL SRC SLLSASPASVRS LGRFSSASSPRPRSRNASSSSDNWSHSQSSET  
 IVSDGSTLSSKGGSEGGPEGSVANNVAPPPPGSGRGSPPSGGSTAETS DTASIRSSGQLSGRSVSLRKM  
 KRPPPPRRRYSLSLHQRGSAVPDGPLGLPPKPERKQPPQLPRPPTAGGSSGVGAVSCPPSSAGTWGSGLSP  
 GGSRRPPRSPERTLSPSSGYSSQSGTPTLPPKGLAVAPASPGKAQPPKDRVTSLRSPGASVSSSLTSLC  
 SSSSDPTLDRSGPQMSTPLSDRFVIPPHPKVPAPFSPPPSKSKSSNQAAAPVLAAPAVAPAGQVSTIDTSP  
 ASPMPQTTLTPAQESPVASKDESPPPSPPPSYHPPPPPTKKPEVLEEAPPPEAAVEILPDP SWPPPP  
 PAPEEQDL SMADFPPEEVFFNAGPELGPLESCSSEA AVPAASLSQTPPPAPPSSGSEPLARLPQKDS  
 VGKHSGAPREDSGTPLVTPSLLQMVRLRSVGASTGIPNPSPGSSAPQKPLRRALSGRASPV TAPSSGLHA  
 AVR LKASSLAASESPASALPTGIPEAEPRSPQSPASKASFIFSKGTKKLQLERPVSPEAQADLQRNLVAE  
 LRSISEHRPPPQAQKKPSKAPPPVARKPSVGVPPSPSLPRTESLTAPSTNGLPHAEDRTNGELAENGGV  
 QLAATEKMGSPGSDPQKKLV

TRTRPLE - GFP Tag - V

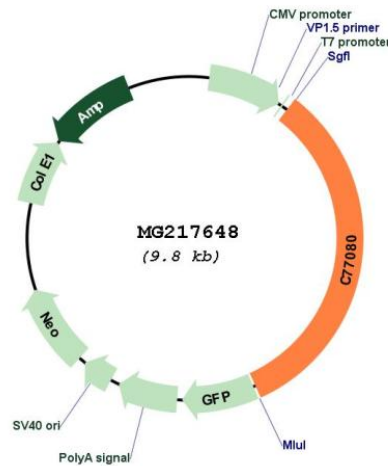
**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001033189

ORF Size: 3210 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](#)

OTI Annotation: 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>	<u>NM_001033189.3, NP_001028361.1</u>
<b>RefSeq Size:</b>	5187 bp
<b>RefSeq ORF:</b>	3213 bp
<b>Locus ID:</b>	97130
<b>UniProt ID:</b>	<u>A2A7S8</u>
<b>Cytogenetics:</b>	4 D2.2