

## Product datasheet for **MG211786**

### Igsf3 (NM\_207205) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Igsf3 (NM_207205) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Igsf3
Synonyms:	1700016K10Rik; 2810035F16Rik; 4833439O17Rik; mKIAA0466
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG211786 representing NM_207205 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAAGTGCTTTTTCCAGTGTTGAGCTGTCTGGCTGTGCTGGGTGTGGTGTGTCAGCGCAGCGACAGGTCA  
CCGTCCAGGAAGGGCCCTTGTACCGCACAGAGCTCCACATCACCATCTGGTGCAACGTGAGTGGCTA  
CCAGGGTCCCTCTGAGCAGAACTCCAGTGGTCCATTTACCTGCCCTCTGCTCCTGAGCGTGAAGTACAG  
ATCGTTAGCACGGTGGACTTTCCTTCCCGTACGCCATCTACACCCAGCGAGTCCGCGGTGGGAAGATCT  
ACGTGGAGAGGATCCAGGGCAACTCAGCCTTACTTCACATCACAGACCTGCAAGCCGGGATGCCGCGA  
GTATGAATGTACACCCCAACACCGATGAGCGCTACTTTGGGAGTTACAGTGCCAAGATGAACCTAGTG  
TGATCCCAGATTCTCTGCAGACCACGGCTGTCCCCAGACACTGCACAAAGTGGAAACAGGATCCCTGG  
AGCTCAGCTGCGAAGTGGCCACCGAGACCGTCCAGCACACCCACCTCTCGGTATCCTGGCTGCGGCAGAA  
GGGTGGCGAGAACCCTGTGGAGGTCAATTCCTGAGCCGAGACTTCATCCTGCACCCAGCAGCAATAT  
GCCCAGAGGCAGAGCCTGGGCGAGGTGCGGCTGGACAAGCTGGGAGAAGCACCTTTCGTCTCACCATCT  
TCCACCTGCAGCCTTCCGACCAGGGCGAGTCTACTGCGAGGCTGCGGAGTGGATCCAGGATCCAGATGG  
CTCTTGGTACGCCATGACCAGGAAGCGCTCCGAGGGTCCGCTGGTCAACGTCCAGCCACTGACAAAGAG  
TTCACCGTGGTCTGAAACAGATAAGAGGCTGCACCGTGGGTGAGCCGGTGGAGTTCAGATGTATCC  
TAGAGGCTCAGAACATCCCGACCGGTACTTTGCCGTCTCCTGGGCCTTCAACAGCTCACTATTGCCAC  
CATGGGGCCTAATGCCGTGCCAGTCTCAACAGCGATTTGCCACCGCAAGCCAAAGGGACAGTCTAAG  
GTGGCCAAAGAGAGTGATGGTGTCTTTGTGCTGAAGATATACCACCTCCGCCAGGAAGACAGTGGCAAT  
ACAACCTGCCGGTGACTGAGCGAGAGAAGACTGTCACTGGCGAGTTCATAGACAAGGAGAGCAAGCGGCC  
CAAGAACATCCCCATCGTCGTGCTGCCCTCAAAGCAGCATCTCCGTGGAGGTGGCCAGCAATGCCAGT  
GTCGTCTTGAGGGAGAGGACCTGCACCTTCTCCTGCACGTCCGACAGTGGCAGGCTGCAGGCCCGCT  
TCTCGGTCACTGGCAGCTCGTGGATAGGCAGAACCGCCGAGCAATGTCATGTGGCTAGACCGGGACGG  
CACCTTGACCGGGCTCAGCGTACTGGGAGCGCAGCAGCTATGGAGGCATCCAGATGGAGCAGGTGCAG



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CCCAACTCCTTCAGCCTGGGCATCTTCAACAGCAGGAAGGAAGATGAGGGCCAGTATGAGTGCCACGTGA  
CGGAGTGGGTTCCGGCCGTAGATGGAGAGTGGCAGATTGTGGGAGAGCGCCGCGCCAGTACCCTGGTCTC  
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TCCAGCCAGTGGGCACAGTGGAGTTCATGACCTGGTACCTTACACAGAGATGGAGGGGTTCACTGGGG  
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GAGAAGTGGTGGCCACCTGAGCCGAGATGCTACCTTCCACTATGGCGAACAGGCTGCCAAAAACAACCT  
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AGCCAGGACTCCCGCTTTGCTGTGGCCTGGTATCCCTAAGGACTAAAGGTGGAGGGAAAAGAGGCAGCC  
TTGGCATTGACGAGCAGGAGGAAGAGGAGGAGGAGGACATATCGCAAGAAGAAGACTCTGAAGATCC  
GACAGAGAGGACAGTCTGCTGAGCGTGGGACCTGATGCTGTCTTTGGTCCCGAAGGCAGTCTTTGGGAG  
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AGAGGAGGAGTCTGCCCCATTGGCATCCGGTTCTAGACACAAGTTCAACCCTGCAGTCGCTCATCTGC  
TCCAACGATGCCCTTTCTACTTTGCTTCTTCTACCCTTTCCCATCTTTGGCATCCTCATCATCACCA  
TTCTGCTGGTGCCTTCAAAGCCGGAACCTCCAGCAAGAAGTCCAGAGGGGAAGAACGGGGTGCCCTGTT  
GTGGATCAAGGAGCCTCACCTGAACTACTCCCGACTTGCTGGAGCCTCCGGTGTCTCAGCATCCACCCG  
GGAGCCATTGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG211786 representing NM\_207205  
 Red=Cloning site Green=Tags(s)

MKCFPPVLSCLAVLGVVSAQRQVTVQEGPLYRTESSHITIWCVNSGYQGPSEQNFQWSIYLPAPEREVQ  
 IVSTVDSSFPYAIYQVRVGGKIYVERIQGNSALLHITDLQARDAGEYECHTPNTDERYFGSYSAKMNLV  
 VIPDSLQTTAVPQTLHKVEQDPLELSCEVATETVQHTLSVSWLRQKGGENPVEVLSLSDFILHSSEY  
 AQRQSLGEVRLDKLGRSTFRLTIFHLQPSDQGEFYCEAAEWIQDPDGSWYAMTRKRSEGA VNVVQPTDKE  
 FTVRLETDKRLHTVGEPEVFRFCILEAQNIPDRYFAVSWAFNSSLIATMGPNVAVPVLNSDFAHREAKGQLK  
 VAKESDGVFVFLKIYHLRQEDSGKYNCRVTEREKTVTGEFIDKESKRPNKIPVVLPLKSSISVEVASNAS  
 VVLEGEDLHFVCTVVRTVGRQLQARFSVIWQLVDRQNRNSVMWLD RDGTLQPGSAYWERSYGGIQMEQVQ  
 PNSFSLGIFNSRKEDEGQYEVCHVTEWVRAVDGEWQIVGERRASTLVSITALETGFAVTAISRTPGVYSD  
 SFDLQCIKPHYPARVPVSVTWRFQPVGTVEFHDLVTFTRDGGVQWGDKSSTFRTRTAIEKAESSNNVRL  
 SISRASDTEAGKYQCV AELWRRNYNNTWTRLAERTSNLLEIRVLQPVTKLQVSKSKRTL TLVENRAIQLN  
 CSVKSQTS PNFHFAVLWYVHKPSDADGKILKTHSSAFEYGTAAEEGLRGRQLQFERHVSGLFSLTVQ  
 RAEVSDSGSYCHVEEWLLSPNYAWYKLAEEVSGRTEVTVKQPSRLKLSQVQGSLSVLETRQIQLECVV  
 LNRTSVASQLLVEWVFWKPNHPEREVVAHLSRDATFH YGEQA AKNNLKGRLHAESPSSGVYRLF IQNVAV  
 QDSGTYS CRVEEWPSPSGVWYKRAEDTAGQTA VTMVMPDAALQVDTVVPNATVTEKAAFQDCSILSRS  
 SQDSRF AVAWYSLR TKGGGKRGSLGIDEQEEEEEEEDISQEEDESDPTERTVLLSVGPDVAVFGPEGSPE  
 GRLRFQRLSPLL YRLTVLEASPQDTGNYSCHVEEWLPSPQKEWYRLTEESAPIGIRVLDTSSTLQSLIC  
 SNDALFYFVFFYPFPIFGILIIITILLVRFKSRNSSKNSEGKNGVPLLWIKEPHLNYSPTCLEPPLVLSIHP  
 GAID

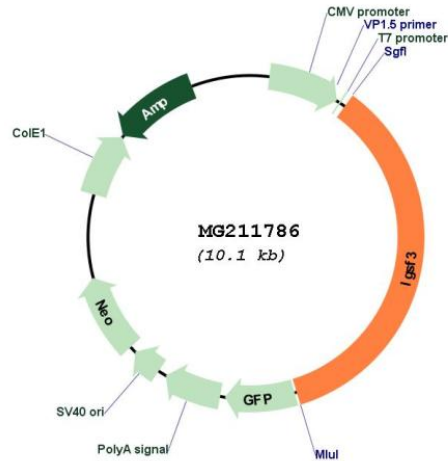
TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



**Plasmid Map:**


**ACCN:** NM\_207205

**ORF Size:** 3582 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.

**Components:** 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).

**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
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.

**RefSeq:** [NM\\_207205.2](#), [NP\\_997088.2](#)

**RefSeq Size:** 7330 bp

**RefSeq ORF:** 3585 bp

**Locus ID:** 78908

**UniProt ID:** [Q6ZQA6](#)

**Cytogenetics:** 3 44.3 cM