

## Product datasheet for **MG224867**

### Igsf1 (NM\_183336) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Igsf1 (NM_183336) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Igsf1
Synonyms:	5330413N23; 5530402E03; AI747649; InhBP/p120; mKIAA0364
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG224867 representing NM\_183336  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGCTCTTCATACTCATGGCCCTCTTTGCTGTGGACTGTGCAATGGGGCATTGACAGAGGAGATTGAAA  
 TAGTCATGCCAACCCCTAAGCCTGAACTGTGGGCAGAGACGAACCTCCCTCTGGCCCCGTGGAAGAACTT  
 AACCCCTCTGGTGCAGAAGCCCATCTGGCTCAACTAAGGAGTTTGTGTTACTGAAGGACGGGACCGGGTGG  
 ATTGCAACCCCGCCGGCCTCAGAGCAGGTCCGGGCTGCCTTCCCTCTTGGCGCCCTGACCCACAGCCACA  
 CCGGGAGTTACCATTGCCATTATGGGAGGAGATGGCTGTGTCGGAGCCTAGTGAAGCGCTTGAAGTGT  
 GGGGACAGACATCCTTCCAAACCTGTCATTTCCGGCTTCCCTTCCAATCCGGGGCCAGGAAGTGCAGATC  
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 AACTTGGTGTGTTGGGAGAGAAGCCTTTTACAATTCAAAGAATGGAGATAAAGATGAGGGCAATTA  
 CAGCTGCCGCACACACTGAAATGCAGCCCTCAAGTGGTCTGAGCCCAGTGAAGCCCTGGAGCTTGTG  
 ATAAAAGAAATGTACCCCAAGCCTTTCTCAAGACCTGGGCTAGCCCTGTGGTCACTCCTGGTCCCGAG  
 TGACTTTCAATTGTTCCACCTCCCATGAACACATGAGCTTTATTCTTTATAAGGATGGCAATGAAATTGC  
 ATCCAGTGACCTAGCCTGGGAAACCCAGGAGGCAGTACAGCCCACTTTCTGATCATTTCAAGTGGGCATT  
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 GAAGAATGTGACCCTGCGCTGCCAAGGAATTTCCAGGGCATGAGGTTTGGCCCTTTCAGGAGGGTACT  
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 AGGACTTTGGAACTACAGCTGTGCTACTATGAGACAACCATGTGCAACAGGGGCTCATCCCTAGCAC  
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 AAGGAGAAGCCACTTCGATGCAGCTTTGGGGTCCACTAGCAATGAAGGAGCATTCCCTATCATCAATAT  
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 CCTAGCAACACTCTGGAACCTCATAGTCACTGGTTTACTCCCTAAGCCCAGCCTGTTAGTCCAGCCTGGTC  
 CCATGGTAGCCCTGGAGAAAACGTGACTTTCATGTCAAGGAGAACTGCCAGATTCAACATTTGTCTCT  
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 GCCCAGCACCATCTTCAAACCTAGGCAAGGACATCACCCCTCAGTCCGAGGACCCCTGCCAGGAGTTGAA  
 TTTGTGCTAGAGCATGATGGAGAAGAGGCTCCACAACAGTTTTCCGAGGATGGAGATTTTGTATCGACA  
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 AGTGGCCTCGACTTCGGACTAGGGGCTCTGAGACAGATGGAAGAGATCAGACCGTAGTCTTGAAGAGTG  
 TAACCAAGAAGGAGAACCAGGCACTACCACCAATTCTCCTCATCTGCCTCGCAAGAAGTCTCAGTGGAA  
 CTGACAGTCCAATA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

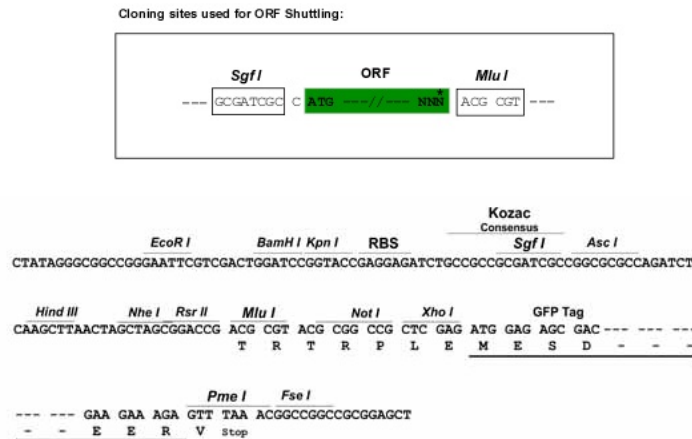
Protein Sequence: >MG224867 representing NM\_183336  
 Red=Cloning site Green=Tags(s)

MLFILMALLCCGLCNGALTEEIEIVMPTPKPELWAETNFPLAPWKNLTLWCRSPSGSTKEFVLLKDG TGW  
 IATRPASEQVRAAFPLGALTHSHTGSYHCHSWEEMAVSEPSEALELVGTDILPKPVISASLP IRGQELQI  
 RCKGWLEGLGFALYKKGEQEPVQQLGAVGREAFFTIQRMEDKDEGNYSCTRTHTEMQPFK WSEPSELELV  
 IKEMYPKPFFKTWASPVVTPGSRVTFNCSTSHEHMSFILYKDGNEIASSDLAWGNPGGSTAHFLIISVGI  
 GDGGNYSCRYYDFSIWSEPSNPVELVVTEFYPKPTLLAQPGPVVLPGKNVTLRCQGI FQGMRFALLQEGT  
 HTPLQFQSTSGTSADFLLLHTVGAQDFGNYSVCVYYETTMSNRGSSLSTPLMIWVTDTFPRPWL SAEPSSV  
 TMGQNVTLWCQGPVRGVGYILHKEGEATSMQLWGSTSNEGAFPIINISGASIGRYS CCYHPDWMSPIKIQ  
 PSNTLELIVTGLLPKPSLLVQPGPMVAPGENVTLQCQGELPDSTFVLLKEGTRQPLEQQRP SGRADFWM  
 PVVRDQDSGVYSCVYYLDSAPL VASNHSNSLEIWVTDKPKPSLSAWPSTIFKLGK DITLQCRGPLGVE  
 FVLEHDGEEAPQQFSEDGDFVIDNLEGGIGNYSYRQLQAYPDIWSEPSDTLELVGAAGPVA QECTVGN  
 IVRSTLIVVVVALGIVLAVEWKKW PRLRTRGSETDGRDQTVVLEECNQEGEPGTTN SPSASQEVSV  
 LTVPI

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM\_183336

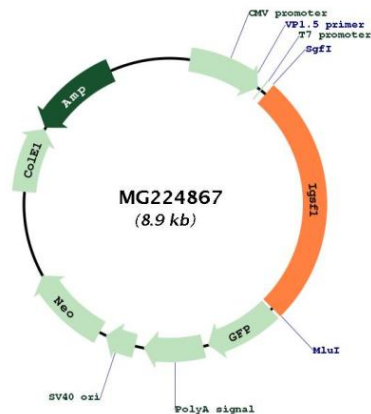
ORF Size: 2325 bp

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><a href="#">NM_183336.2</a></u> , <u><a href="#">NP_899179.1</a></u>
<b>RefSeq Size:</b>	2686 bp
<b>RefSeq ORF:</b>	2328 bp
<b>Locus ID:</b>	209268
<b>UniProt ID:</b>	<u><a href="#">Q7TQA1</a></u>
<b>Cytogenetics:</b>	X A5
<b>Gene Summary:</b>	Seems to be a coreceptor in inhibin signaling, but seems not to be a high-affinity inhibin receptor. Antagonizes activin A signaling in the presence or absence of inhibin B. Necessary to mediate a specific antagonistic effect of inhibin B on activin-stimulated transcription (By similarity).[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MG224867