

## Product datasheet for **MR224867**

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

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Igsf1 (NM_183336) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Igsf1
Synonyms:	5330413N23; 5530402E03; AI747649; InhBP/p120; mKIAA0364
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR224867 representing NM\_183336  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGCTCTTCATACTCATGGCCCTCTTTGCTGTGGACTGTGCAATGGGGCATTGACAGAGGAGATTGAAA  
 TAGTCATGCCAACCCCTAAGCCTGAACTGTGGCAGAGACGAACCTCCCTCTGGCCCGTGGAAAGAACTT  
 AACCCCTCTGGTGCAGAAGCCCATCTGGCTCAACTAAGGAGTTTGTGTTACTGAAGGACGGGACCGGGTGG  
 ATTGCAACCCCGCCGGCCTCAGAGCAGGTCCGGGCTGCCTTCCCTCTTGGCGCCCTGACCCACAGCCACA  
 CCGGGAGTTACCATTGCCATTATGGGAGGAGATGGCTGTGTCGGAGCCTAGTGAAGCGCTTGAAGTGT  
 GGGGACAGACATCCTTCCAAACCTGTCATTTCCGGCTTCCCTTCCAATCCGGGGCCAGGAAGTGCAGATC  
 CGCTGTAAAGGATGGCTGGAAGTTTGGGGTTTGGCTGTATAAGAAGGGAGAGCAGGAACCTGTCCAGC  
 AACTTGGTGTGTTGGGAGAGAAGCCTTCTTACAATTCAAAGAATGGAGATAAAGATGAGGGCAATTA  
 CAGCTGCCGCACACACTGAAATGCAGCCCTCAAGTGGTCTGAGCCCAGTGAAGCCCTGGAGCTTGTG  
 ATAAAAGAAATGTACCCCAAGCCTTCTTCAAGACCTGGGCTAGCCCTGTGGTCACTCCTGGTCCCGAG  
 TGACTTTCAATTGTTCCACCTCCCATGAACACATGAGCTTTATTCTTTATAAGGATGGCAATGAAATTGC  
 ATCCAGTGACCTAGCCTGGGAAACCCAGGAGGCAGTACAGCCCACTTTCTGATCATTTCAAGTGGGCATT  
 GGTGATGGAGGAAACTATAGCTGTGCTTATTATGACTTTTCCATCTGGTCTGAGCCCAAGCCCTGTGG  
 AGCTCGTTGTGACAGAATTCTACCTAAACCCACACTCCTGGCACAGCCAGGCCCTGTGGTGTCTCTGG  
 GAAGAATGTGACCCTGCGCTGCCAAGGAATTTCCAGGGCATGAGGTTTGGCCCTTTCAGGAGGGTACT  
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 CCAGTGGTGAAGGATCAAGATTCTGGTGTTCAGCTGTGTTTATTATCTGGATTCTGCTCCCTTGTGG  
 CTTGCAATCACAGCAACTCTCTAGAGATCTGGGTGACTGATAAGCCCTAAACCCCTCTCTGTCAGCCTG  
 GCCCAGCACCATCTTCAAACCTAGGCAAGGACATCACCCCTCAGTCCGAGGACCCCTGCCAGGAGTTGAA  
 TTTGTGCTAGAGCATGATGGAGAAGAGGCTCCACAACAGTTTTCCGAGGATGGAGATTTTGTATCGACA  
 ACTTGGAAAGGAAAGGCATTGGAAACTACAGTTGCAGCTACCGGCTGCAGGCCTACCCTGATATCTGGT  
 AGAGCCCAGCGATACCCTGGAGCTGTTGGAGCTGCAGGGCCTGTTGCTCAAGAGTGCAGTGTGGTAAC  
 ATTGTCCGAAGTACCCTGATTGTGGTGGTTGTGGTAGCCTTGGGGATAGTGTAGCCGTAGAGTGAAGA  
 AGTGGCCTCGACTTCGGACTAGGGGCTCTGAGACAGATGGAAGAGATCAGACCGTAGTCTTGAAGAGTG  
 TAACCAAGAAGGAGAACCAGGCACTACCACCAATTCTCCTCATCTGCCTCGCAAGAAGTCTCAGTGGAA  
 CTGACAGTCCAATA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR224867 representing NM\_183336  
 Red=Cloning site Green=Tags(s)

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MLFILMALLCCGLCNGALTEEIEIVMPTPKPELWAETNFPLAPWKNLTLWCRSPSGSTKEFVLLKDGTDG
IATRPASEQVRAAFPLGALTHSHTGSYHCHSWEEMAVSEPSEALELVGTDILPKPVISASLPIRQELQI
RCKGWLEGLGFALYKKGEQEPVQQLGAVGREAFFTIQRMEDKDEGNYSRTHTEMQPFKWSEPELELV
IKEMYPKPFFKTWASPVVTPGSRVTFNCSTSHEHMSFILYKDGNEIASSDLAWGNPGGSTAHFLIISVGI
GDGGNYSCRYYDFSIWSEPSNPVELVVTEFYKPTLLAQPGPVVLPGKNVTLRCQGIFQGMRFALLQEGT
HTPLQFQSTSGTSADFLLLHTVGAQDFGNYSVYETTMNSNRGSSLSTPLMIWVTDTFPRPWL SAEPSSV
TMGQNVTLWCQGPVRGVGYILHKEGEATSMQLWGSTSNEGAFPIINISGASIGRYS CCYHPDWMSPIKIQ
PSNTLELIVTGLLPKPSLLVQPGPMVAPGENVTLQCQGELPDSTFVLLKEGTRQPLEQQRPSGYRADFW
PVVRDQDSGVYSCVYYLDSAPL VASNHSNSLEIWVTDKPPKPSL SAWPSTIFKLGKDITLQCRGPLPVE
FVLEHDGEEAPQQFSEDGDFVIDNLEGGIGNYSYRLQAYPDIWSEPSDTLELVGAAGPVAQECTVGN
IVRSTLIVVVVALGIVLAVEWKKWPRLRTRGSETDGRDQTVVLEECNQEGEPGTTNPSPSASQEVSV
LTVPI
  
```

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-Mlul



**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\\_183336.2](#), [NP\\_899179.1](#)

**RefSeq Size:** 2686 bp

**RefSeq ORF:** 2328 bp

**Locus ID:** 209268

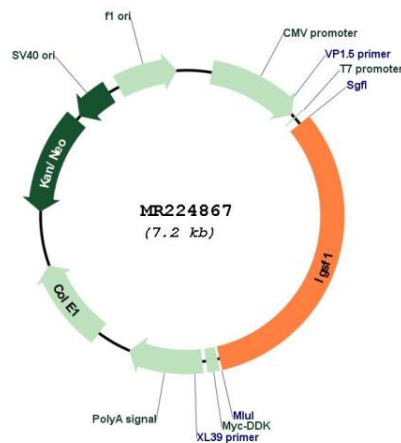
**UniProt ID:** [Q7TQA1](#)

**Cytogenetics:** X A5

**MW:** 85.6 kDa

**Gene Summary:** 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 MR224867