

## Product datasheet for MC224226

### Igsf1 (NM\_177591) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Igsf1 (NM_177591) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Igsf1
Synonyms:	5330413N23; 5530402E03; AI747649; InhBP/p120; mKIAA0364
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC224226 representing NM_177591 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGATGCTTCGGACCTTCACTCTTTTGCTCCTTTGCATTTGGCTCAATCCGGGTATGACTTCACTGGCAG  
TGGAGTCTCAACCAGAGCTATGGATAGAGTCCAACCTACCCCGAGCCCTTGGGAGAATCACACTCTG  
GTGCAAAAGCCCCTCTCGGGTATCCAGCAAGTTCTCTGCTTCTGAAGGATAACTCACAGATGACCTGGATT  
CGTCCTCCTTACAAGACATTCCAAGTTTCAATTCTCATAGGTGCCCTTACTGAGTCCAATACAGGTCTTT  
ATCGATGCTGCTACTGGAAGGAGAAAGGCTGGTCAAAACCCAGTAAAATTCTAGAGCTAGAAGCACCAGG  
CCAACCTCCCTAAACCCATCTTCTGGATCCAGGCAGAGACCCCTTCTTCTGGATGCAATGTTAACATC  
TTCTGCCATGGATGGCTCCAGGATTTGGTATTTATGCTGTTTTAAAGAGGGATACACAGAGCCCGTAGATT  
ACCAAGTCCCAACTGGGACAATGGCCATCTTCTCCATTGATAACTTGGCACCCGAGAATGAAGGGGTTTA  
CATCTGCCGCACTCATATCCAGATGCTCCCACTCTGTGGTCAGAGCCAGCAATCCCTGAAGTTGGTG  
GTAGCAGGTCTCTACCCAAACCAACTCTGACAGCCATCCTGGGCCATCCTGGCACCCGGAGAAAAGCC  
TGAGTCTCAGGTGTCAAGGGCCAATATATGGAATGACGTTTGTCTTAATGAGGTTGAAGACTTGAAGAA  
ATCATTTTACCACAAGAAGCCAATAAAAAATGAGGCATATTTCTACTTCCAGGATCTGAAGATACAGGAT  
ACAGGGCACTACCTCTGTTTTACTATGATGGGTATACAGGGGCTCTGCTTAGTGATATCCTGAAAA  
TCTGGGTGACTGACACTTCCCTAAGACCTGGCTACTTGTTCAGCCAGTCTGTGATTCAAATGGGTCA  
GAACGTGAGCCTGAGGTGTGGAGGACTGATGGATGGAGTGGTCTTGCCTCTACAAGAAGGAGAAAGAA  
AAGCCCTTCAGTTTCTGGATGCCTCCAGCAACTGGCAACAATTCATTCTTCTAAAGAATGTGACCT  
ACAGGGATGCTGGCATCTATAGCTGCTACTATTCTTACTTGAAGACATCCATTAAGATGGCAACATA  
CAACACTGTGGAGCTGATGGTTGAGCTTGGCCAGTTCCGTGTTCAAAGTAGGAAAGACCATCACCTT  
CAGTGGCAGTGTCTCATCCAGTCTTGAATTTCTTTGGAATGGGAAGAAAGAACAACATTCAAAAAT  
TCTCAGTAGATGGAGACTTCTCATCACTGACATTTGAAGGGCAAGGCACAGGAACCTACAGTTGCAGCTA  
TCGATTGAGGCACACCCTAACACCTGGTCACATCGCAGTAAGCCTCTGAAGTTGGTGGGACCAGCAGGC  
TTCTCACCTGGAATTCATTCTGAATGAAGCTGTGAGGTGTCTTAACCATGCAGCTTCTTCTCTTGC



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TCTTGCTAGTGGTATGGATCCGGTGAAGTGTCCGAGACTGAGGCTCAGAGAAGCCTGGTTGTTGGGAAC  
 AGCTCAAGGGGTCGCCATGCTCTTCATACTCATGGCCCTCTTTGCTGTGGACTGTGCAATGGGGCATTG  
 ACAGAGGAGATTGAAATAGTCATGCCAACCCCTAAGCCTGAAGTGTGGGCAGAGACGAACTCCCTCTGG  
 CCCCCTGGAAGAACTTAACCCCTGGTGCAGAAGCCATCTGGCTCAACTAAGGAGTTTGTGTTACTGAA  
 GGACGGGACCCGGTGGATTGCAACCCGCCCGCCTCAGAGCAGGTCCGGGCTGCCTCCCTCTTGGCGCC  
 CTGACCCACAGCCACACCCGGGAGTTACCATTGCCATTCATGGGAGGAGATGGCTGTGTCGGAGCCTAGTG  
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 CCAGGAACTGCAGATCCGCTGTAAGGATGGCTGGAAAGTTTGGGTTTGCCTGTATAAGAAGGGAGAG  
 CAGGAACCTGTCCAGCAACTTGGTGTGTTGGGAGAGAAGCCTTCTTTACAATTCAAAGAATGGAGGATA  
 AAGATGAGGGCAATTACAGCTGCCGCACACACTGAAATGCAGCCCTCAAGTGGTCTGAGCCCAGTGA  
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 CTGTCAGGAGGGTACTCATACCCCTTACAGTTCCAAAGTACCTCGGGGACCTCAGCTGACTTCCCTCCTC  
 CAACTGTTGGAGCACAGGACTTTGGAACTACAGCTGTGTCTACTATGAGACAACCATGTGCAACAGGG  
 GCTCATCCCTTAGCACCCCTCTTATGATCTGGGTGACTGATACATTCAGGACCATGGTTGTCTGCTGA  
 GCCTAGTTCTGTGGTACCATGGGGCAGAATGTTACTCTATGGTGTCAAGGACCAGTCCGTGGAGTTGGG  
 TACATTCTGCACAAGAAGGAGAAGCCACTTCGATGCAGCTTTGGGGTCCACTAGCAATGAAGGAGCAT  
 TCCCTATCATCAATATATCTGGTGTAGCATAGGACGTTATAGCTGCTGTTACCACCCTGACTGGATGAG  
 CCCTCAAGATACAGCCTAGCAACACTCTGAACTCATAGTCACTGGTTTACTCCCTAAGCCAGCCTG  
 TTAGTCCAGCCTGGTCCCATGGTAGCCCTGGAGAAAACGTGACTCTCAATGTCAAGGAGAAGTCCAG  
 ATCAACATTTGCTGTTGAAGGAGGGGACGCGACAGCCCTTAGAACAACAGAGCCAAGTGGGTACAG  
 AGCTGACTTCTGGATGCCAGTGGTGAAGGATCAAGATTCTGGTGTACAGCTGTGTTTATTATCTGGAT  
 TCTGCTCCCTTGTGGCTTGAATCACAGCAACTCTAGAGATCTGGGTGACTGATAAGCCCCCTAAAC  
 CCTCTCTGTGAGCCTGGCCAGCACCCTTCAAAGTGGCAAGGACATCACCCCTCAGTCCGAGGACC  
 CCTGCCAGGAGTTGAATTTGTGCTAGAGCATGATGGAGAAGAGGCTCCACAACAGTTTCCGAGGATGGA  
 GATTTTGTATCGACAACCTGGAAGGGAAAGGCATTGAAACTACAGTTGCAGCTACCGGCTGCAGGCCCT  
 ACCCTGATATCTGGTCAAGAGCCAGCGATACCCTGGAGCTGGTTGGAGCTGCAGGGCCTGTTGCTCAAGA  
 GTGCACTGTGGTAACATTGTCCGAAGTACCCTGATTGTGGTGGTTGTGGTAGCCTTGGGATAGTGCTA  
 GCCGTAGAGTGAAGAAGTGGCCTCGACTTCGGACTAGGGGCTCTGAGACAGATGGAAGAGATCAGACCG  
 TAGTCCTTGAAGAGTGAACCAAGAAGGAGAACCAGGCACTACCACCAATTCTCCTTCTATCTGCTCGCA  
 AGAAGTCTCAGTGAAGTACAGTTCCAATA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_177591
- Insert Size:** 3954 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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\\_177591.4](#), [NP\\_808259.2](#)

**RefSeq Size:** 4432 bp

**RefSeq ORF:** 3954 bp

**Locus ID:** 209268

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

**Cytogenetics:** X A5

**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]  
Transcript Variant: This variant (1) encodes the longest protein (isoform long).