

Product datasheet for **MC221456**

Igsf1 (NM_183335) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Igsf1 (NM_183335) 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



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Fully Sequenced ORF: >MC221456 representing NM_183335
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGATGCTTCGGACCTTCACTCTTTTGCTCCTTTGCATTTGGCTCAATCCGGGTATGACTTCACTGGCAG
 TGGAGTCTCAACCAGAGCTATGGATAGAGTCCAACCTACCCAGGCCCTTGGGAGAACATCACACTCTG
 GTGCAAAAAGCCCTCTCGGGTATCCAGCAAGTTCTGCTTCTGAAGGATAACTCACAGATGACCTGGATT
 CGTCTCCTTACAAGACATTCCAAGTTTCATTCTCATAGGTGCCCTTACTGAGTCCAATACAGGTCTTT
 ATCGATGCTGCTACTGGAAGGAGAAAGGCTGGTCAAAACCCAGTAAAATTCTAGAGCTAGAAGCACCAGG
 CCAACTCCCTAAACCCATCTTCTGGATCCAGGCAGAGACCCCTTCTTCTGGATGCAATGTTAACATC
 TTCTGCCATGGATGGCTCCAGGATTTGGTATTTATGCTGTTTAAAGAGGGATACACAGAGCCCGTAGATT
 ACCAAGTCCCAACTGGGACAATGGCCATCTTCTCCATTGATAACTGGCACCCGAGAATGAAGGGTTTA
 CATCTGCCGCACTCATATCCAGATGCTCCCACTCTGTGGTCAGAGCCAGCAATCCCTGAAGTTGGTG
 GTAGCAGGTCTCTACCCAAACCAACTCTGACAGCCCATCTGGGCCATCTGGCACCCGAGAAAGCC
 TGAGTCTCAGGTGTCAAGGGCCAATATATGGAATGACGTTTGGCTTAAATGAGGTTGGAAGACTTGAAGAA
 ATCATTTTACCACAAGAAGCCAATAAAAAATGAGGCATATTTCTACTTCCAGGATCTGAAGATACAGGAT
 ACAGGGCACTACCTCTGTTTTACTATGATGGGTACATACAGGGCTCTCTGCTTAGTGATATCCTGAAAA
 TCTGGGTGACTGACACTTCCCTAAGACCTGGCTACTTGTTCAGCCAGTCTGTGATTCAAATGGGTCA
 GAACGTGAGCCTGAGGTGTGGAGACTGATGGATGGAGTGGGTCTTGCCTCTACAAGAAGGGAGAAGAA
 AAGCCCTTCAGTTTCTGGATGCCTCCAGCAACTGGCAACAATTCATTCTTCTAAAGAATGTGACCT
 ACAGGATGCTGGCATCTATAGCTGTCACTATTATCTTACTTGAAGACATCCATTAAGATGGCAACATA
 CAACACTGTGGAGCTGATGGTTGTAGCTTGGCCAGTTCCGTGTTCAAAGTAGGAAAGACCATCACCCCT
 CAGTGCCGAGTGTCTCATCCAGTCTTGAATTTCTTTGGAATGGGAAGAAAGAACAACATTCCAAAAAT
 TCTCAGTAGATGGAGACTTCTCATCACTGACATTGAAGGGCAAGGCACAGGAACCTACAGTTGCAGCTA
 TCGTATTGAGGCACACCCTAACACCTGGTCACATCGCAGTAAGCCTCTGAAGTTGGTGGGACCAGCAGGC
 TTCCTCACCTGGAATTCATTCTGAATGAAGCTGTGAGGTGTCCTTAACCATGCAGCTTGTCTCCTTGC
 TCTTGCTAGTGGTATGGATCCGGTGAAGTGTGCGGAGACTGAGGCTCAGAGAAGCCTGGTTGTTGGGAAC
 AGCTCAAGGGGTGCCATGCTCTTCACTCATGGCCCTTCTTTGCTGTGGACTGTGCAATGGGGCATTG
 ACAGAGGAGATTGAAATAGTCATGCCAACCCCTAAGCCTGAACTGTGGCAGAGACGAATCCCTCTGG
 CCCGTGGAAGAACTTAACCCCTGCTGTCAGAAGCCCATCTGGCTCAACTAAGGAGTTTGTGTTACTGAA
 GGACGGGACCCGGGTGGATTGCAACCCGCCCGCCCTCAGAGCAGGTCCGGGCTGCCTTCCCTCTTGGCGCC
 CTGACCCACAGCCACACCCGGGAGTTACCATTGCCATTTCATGGGAGGAGATGGCTGTGTCGGAGCCTAGTG
 AAGCGCTTGAAGTGTGGGGACAGACATCCTTCCCAAACCTGTCAATTCGGCTTCCCTTCCAATCCGGGG
 CCAGGAAGTGCAGATCCGCTGTAAGGATGGCTGGAAGGTTTGGGGTTTGTCTGTATAAGAAGGGAGAG
 CAGGAACCTGTCCAGCAACTTGGTGCTGTTGGGAGAGAAGCCTTCTTTACAATTCAAAGAATGGAGGATA
 AAGATGAGGGCAATTACAGCTGCCGCACACACTGAAATGCAGCCCTCAAGTGGTCTGAGCCAGTGA
 GCCCTGGAGCTTGTCAAAAAGATGGGCAACCAAGGCTCAGAACTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_183335
Insert Size: 2289 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

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_183335.2](#), [NP_899178.2](#)

RefSeq Size: 2513 bp

RefSeq ORF: 2289 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 (3) lacks most of the 5' UTR and uses a different segment for its 3' coding region and 3' UTR, compared to variant 1. The resulting protein (isoform 3) has a shorter and distinct C-terminus when it is compared to isoform long.