

## Product datasheet for **MC221519**

### Igsf1 (NM\_183336) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Igsf1 (NM_183336) Mouse Untagged Clone
Tag:	Tag Free
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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Fully Sequenced ORF: >MC221519 representing NM\_183336  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCTCTTCATACTCATGGCCCTCTTTGCTGTGGACTGTGCAATGGGGCATTGACAGAGGAGATTGAAA  
 TAGTCATGCCAACCCCTAAGCCTGAACTGTGGCAGAGACGAACCTCCCTCTGGCCCGTGAAGAACTT  
 AACCCCTCTGGTGCAGAAGCCCATCTGGCTCAACTAAGGAGTTTGTGTTACTGAAGGACGGGACCGGGTGG  
 ATTGCAACCCGCGCCGCTCAGAGCAGGTCCGGGCTGCCTTCCCTCTTGGCGCCCTGACCCACAGCCACA  
 CCGGGAGTTACCATTGCCATTATGGGAGGAGATGGCTGTGTCGGAGCCTAGTGAAGCGCTTGAAGTGT  
 GGGGACAGACATCCTTCCAAACCTGTCATTTCCGGCTTCCCTTCCAATCCGGGGCCAGGAAGTGCAGATC  
 CGCTGTAAAGGATGGCTGGAAGTTTGGGGTTTGGCTGTATAAGAAGGGAGAGCAGGAACCTGTCCAGC  
 AACTTGGTGTGTTGGGAGAGAAGCCTTCTTACAATTCAAAGAATGGAGATAAAGATGAGGGCAATTA  
 CAGCTGCCGCACACACTGAAATGCAGCCCTCAAGTGGTCTGAGCCCAGTGAAGCCCTGGAGCTTGTG  
 ATAAAAGAAATGTACCCCAAGCCTTCTTCAAGACCTGGGCTAGCCCTGTGGTCACTCCTGGTCCCGAG  
 TGACTTTCAATTGTTCCACCTCCCATGAACACATGAGCTTTATTCTTTATAAGGATGGCAATGAAATTGC  
 ATCCAGTGACCTAGCCTGGGAAACCCAGGAGGCAGTACAGCCCACTTTCTGATCATTTCAGTGGGCATT  
 GGTGATGGAGGAAACTATAGCTGTGCTTATTATGACTTTTCCATCTGGTCTGAGCCAGCAACCCCTGTGG  
 AGCTCGTTGTGACAGAATTCTACCTAAACCCACACTCCTGGCACAGCCAGGCCCTGTGGTGTCTCTGG  
 GAAGAATGTGACCCTGCGCTGCCAAGGAATTTCCAGGGCATGAGGTTTGCCTCTTGCAGGAGGGTACT  
 CATACCCCTTTACAGTTCCAAGTACCTCGGGACCTCAGCTGACTTCTCTCCACACTGTTGGAGCAC  
 AGGACTTTGGAACTACAGCTGTGCTACTATGAGACAACCATGTGCAACAGGGGCTCATCCCTAGCAC  
 CCCTCTTATGATCTGGGTGACTGATACATTCCCCAGACCATGGTTGTCTGCTGAGCCTAGTTCTGTGGTC  
 ACCATGGGGCAGAATGTTACTCTATGGTGTCAAGGACCAGTCCGTGGAGTTGGTACATTCTGCACAAAG  
 AAGGAGAAGCCACTTCGATGCAGCTTTGGGGTCCACTAGCAATGAAGGAGCATTCCCTATCATCAATAT  
 ATCTGGTGTAGCATAGGACGTTATAGCTGCTGTTACCACCTGACTGGATGAGCCCTATCAAGATACAG  
 CCTAGCAACACTCTGGAAGTCAAGTCAAGTCAAGGAGAACTGCCAGATTCAACATTTGTCTCT  
 CCATGGTAGCCCTGGAGAAAACGTGACTTCAATGTCAAGGAGAACTGCCAGATTCAACATTTGTCTCT  
 GTTGAAGGAGGGACGCGACAGCCCTTAGAACAACAGAGGCCAAGTGGGTACAGAGCTGACTTCTGGATG  
 CCAGTGGTGGGATCAAGATTCTGGTGTTCAGCTGTGTTTATTATCTGGATTCTGCTCCCTTGTGG  
 CTTCGAATCACAGCAACTCTCTAGAGATCTGGGTGACTGATAAGCCCCCTAAACCCTCTCTGTCAGCCTG  
 GCCCAGCACCATCTTCAAAGTAGGCAAGGACATCACCCCTCAGTCCGAGGACCCCTGCCAGGAGTTGAA  
 TTTGTGCTAGAGCATGATGGAGAAGAGGCTCCACAACAGTTTTCCGAGGATGGAGATTTTGTATCGACA  
 ACTTGGAAAGGAAAGGCATTGGAAGTACAGTTGCAGCTACCGGCTGCAGGCCTACCCTGATATCTGGTC  
 AGAGCCCAGCGATACCCTGGAGCTGTTGGAGCTGCAGGGCCTGTTGCTCAAGAGTGCAGTGTGGTAAC  
 ATGTCCGAAGTACCCTGATTGTGGTGGTGTGGTAGCCTTGGGGATAGTGTAGCCGTAGAGTGGAGA  
 AGTGGCCTCGACTTCGGACTAGGGGCTCTGAGACAGATGGAAGAGATCAGACCGTAGTCTTGAAGAGTG  
 TAACCAAGAAGGAGAACCAGGCACTACCACCAATTCTCCTCATCTGCCTCGCAAGAAGTCTCAGTGGAA  
 CTGACAGTCCAATA**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul  
 ACCN: NM\_183336  
 Insert Size: 2328 bp

<b>OTI Disclaimer:</b>	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).
<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>	<a href="#">NM_183336.2</a> , <a href="#">NP_899179.1</a>
<b>RefSeq Size:</b>	2686 bp
<b>RefSeq ORF:</b>	2328 bp
<b>Locus ID:</b>	209268
<b>UniProt ID:</b>	<a href="#">Q7TQA1</a>
<b>Cytogenetics:</b>	X A5
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (4) contains a different segment for its 5' UTR and lacks most of the 5' coding region which results in the use of an in-frame downstream start codon, compared to variant 1. The resulting protein (isoform 4) has a shorter N-terminus when it is compared to isoform long. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>