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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
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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Fully Sequenced ORF:

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

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGATGCTTCGGACCTTCACTCTTTTGCTCCTTTGCATTTGGCTCAATCCGGGTATGACTTCACTGGCAG
TGGAGTCTCAACCAGAGCTATGGATAGAGTCCAACTACCCCCAGGCCCCTTGGGAGAACATCACACTCTG
GTGCAAAAGCCCCTCTCGGGTATCCAGCAAGTTCCTGCTTCTGAAGGATAACTCACAGATGACCTGGATT
CGTCCTCCTTACAAGACATTCCAAGTTTCATTCTTCATAGGTGCCCTTACTGAGTCCAATACAGGTCTTT
ATCGATGCTGCTACTGGAAGGAGAAAGGCTGGTCAAAACCCAGTAAAATTCTAGAGCTAGAAGCACCAGG
CCAACTCCCTAAACCCATCTTCTGGATCCAGGCAGAGACCCCCCCTCTTCCTGGATGCAATGTTAACATC
TTCTGCCATGGATGGCTCCAGGATTTGGTATTTATGCTGTTTAAAGAGGGATACACAGAGCCCGTAGATT
ACCAAGTCCCAACTGGGACAATGGCCATCTTCTCCATTGATAACTTGGCACCCGAGAATGAAGGGGTTTA
CATCTGCCGCACTCATATCCAGATGCTCCCCACTCTGTGGTCAGAGCCCAGCAATCCCCTGAAGTTGGTG
GTAGCAGGTCTCTACCCCAAACCAACTCTGACAGCCCATCCTGGGCCCATCCTGGCACCCGGAGAAAGCC
TGAGTCTCAGGTGTCAAGGGCCAATATATGGAATGACGTTTGCTTTAATGAGGTTGGAAGACTTGAAGAA
ATCATTTTACCACAAGAAGCCAATAAAAAATGAGGCATATTTCTACTTCCAGGATCTGAAGATACAGGAT
ACAGGGCACTACCTCTGTTTTTACTATGATGGGTCATACAGGGGCTCTCTGCTTAGTGATATCCTGAAAA
TCTGGGTGACTGACACTTTCCCTAAGACCTGGCTACTTGTTCAGCCCAGTCCTGTGATTCAAATGGGTCA
GAACGTGAGCCTGAGGTGTGGAGGACTGATGGATGGAGTGGGTCTTGCACTCTACAAGAAGGGAGAAGAA
AAGCCCCTTCAGTTTCTGGATGCCTCCAGCAACACTGGCAACAATTCATTCTTCCTAAAGAATGTGACCT
ACAGGGATGCTGGCATCTATAGCTGTCACTATTATCTTACTTGGAAGACATCCATTAAGATGGCAACATA
CAACACTGTGGAGCTGATGGTTGTAGCTTGGCCCAGTTCCGTGTTCAAAGTAGGAAAGACCATCACCCTT
CAGTGCCGAGTGTCTCATCCAGTGCTTGAATTTTCTTTGGAATGGGAAGAAAGAACAACATTCCAAAAAT
TCTCAGTAGATGGAGACTTCCTCATCACTGACATTGAAGGGCAAGGCACAGGAACCTACAGTTGCAGCTA
TCGTATTGAGGCACACCCTAACACCTGGTCACATCGCAGTAAGCCTCTGAAGTTGGTGGGACCAGCAGGC
TTCCTCACCTGGAATTCCATTCTGAATGAAGCTGTCAGGGTGTCCTTAACCATGCAGCTTGCTTCCTTGC
TCTTGCTAGTGGTATGGATCCGGTGGAAGTGTCGGAGACTGAGGCTCAGAGAAGCCTGGTTGTTGGGAAC
AGCTCAAGGGGTCGCCATGCTCTTCATACTCATGGCCCTTCTTTGCTGTGGACTGTGCAATGGGGCATTG
ACAGAGGAGATTGAAATAGTCATGCCAACCCCTAAGCCTGAACTGTGGGCAGAGACGAACTTCCCTCTGG
CCCCGTGGAAGAACTTAACCCTCTGGTGCAGAAGCCCATCTGGCTCAACTAAGGAGTTTGTGTTACTGAA
GGACGGGACCGGGTGGATTGCAACCCGCCCGGCCTCAGAGCAGGTCCGGGCTGCCTTCCCTCTTGGCGCC
CTGACCCACAGCCACACCGGGAGTTACCATTGCCATTCATGGGAGGAGATGGCTGTGTCGGAGCCTAGTG
AAGCGCTTGAACTAGTGGGGACAGACATCCTTCCCAAACCTGTCATTTCGGCTTCCCTTCCAATCCGGGG
CCAGGAACTGCAGATCCGCTGTAAAGGATGGCTGGAAGGTTTGGGGTTTGCTCTGTATAAGAAGGGAGAG
CAGGAACCTGTCCAGCAACTTGGTGCTGTTGGGAGAGAAGCCTTCTTTACAATTCAAAGAATGGAGGATA
AAGATGAGGGCAATTACAGCTGCCGCACACACACTGAAATGCAGCCCTTCAAGTGGTCTGAGCCCAGTGA
GCCCCTGGAGCTTGTCATAAAAGATGGGCGAACCAAGGCTCAGAACTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_183335

Insert Size: 2289 bp

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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.

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