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Product datasheet for MR224860

Igsf1 (NM_183335) Mouse Tagged ORF Clone

Product data:

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

ORF Nucleotide Sequence:

>MR224860 representing NM_183335
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

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

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR224860 representing NM_183335
Red=Cloning site Green=Tags(s)

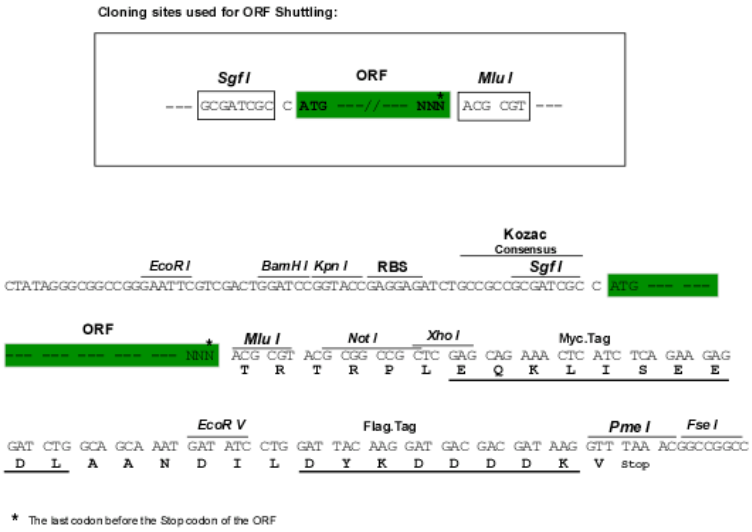
MMLRTFTLLLLCIWLNPGMTSLAVESQPELWIESNYPQAPWENITLWCKSPSRVSSKFLLLKDNSQMTWI
RPPYKTFQVSFFIGALTESNTGLYRCCYWKEKGWSKPSKILELEAPGQLPKPIFWIQAETPPLPGCNVNI
FCHGWLQDLVFMLFKEGYTEPVDYQVPTGTMAIFSIDNLAPENEGVYICRTHIQMLPTLWSEPSNPLKLV
VAGLYPKPTLTAHPGPILAPGESLSLRCQGPIYGMTFALMRLEDLKKSFYHKKPIKNEAYFYFQDLKIQD
TGHYLCFYYDGSYRGSLLSDILKIWVTDTFPKTWLLVQPSPVIQMGQNVSLRCGGLMDGVGLALYKKGEE
KPLQFLDASSNTGNNSFFLKNVTYRDAGIYSCHYYLTWKTSIKMATYNTVELMVVAWPSSVFKVGKTITL
QCRVSHPVLEFSLEWEERTTFQKFSVDGDFLITDIEGQGTGTYSCSYRIEAHPNTWSHRSKPLKLVGPAG
FLTWNSILNEAVRVSLTMQLASLLLLVVWIRWKCRRLRLREAWLLGTAQGVAMLFILMALLCCGLCNGAL
TEEIEIVMPTPKPELWAETNFPLAPWKNLTLWCRSPSGSTKEFVLLKDGTGWIATRPASEQVRAAFPLGA
LTHSHTGSYHCHSWEEMAVSEPSEALELVGTDILPKPVISASLPIRGQELQIRCKGWLEGLGFALYKKGE
QEPVQQLGAVGREAFFTIQRMEDKDEGNYSCRTHTEMQPFKWSEPSEPLELVIKDGRTKAQN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9004_b11.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

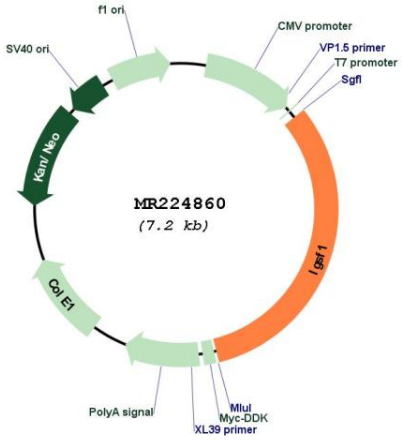


ACCN: NM_183335

ORF Size: 2286 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
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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
MW:	86.8 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 MR224860