

## Product datasheet for **MR206819**

### Igsf11 (NM\_170599) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Igsf11 (NM_170599) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Igsf11
Synonyms:	1700025L02Rik; BT-IgSF; Igsf13
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR206819 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGACTCGGCGGCTCCGCTCCGGCGTCTGGCTGCTCGTGTGCTGCTCGGTGTCGCAACATCCCTGG  
 AAGTGTCCGAGAGCCAGGCAGTGTCCAGGTGGCCGGGGCCAGACAGCAGTCTGCCCTGCGCCTTCTC  
 CACCAGTGTGCCCTCCTGAACCTCAATGTCATTTGGATGGTATTCCCTCTCCAATGCAAACAGCCC  
 GAACAGGTCACTTTATCAGGGTGGACAAATGTTTGACGGCGCCCTCCGGTTCCACGGGAGGTAGGAT  
 TTACCGGCACCATGCCTGCTACCAATGTCTCGATCTTCAATAACACACAGCTGTGAGATACGGGCAC  
 GTACCAGTGTGGTGAATAACCTTCCAGACAGAGGGGGCAGAAACATCGGGTCACTGGCCTCACAGTG  
 TTAGTCCCCCTTCTGCTCCACAATGCCAAATCCAAGGATCCAGGACCTCGGCAGTGACGTCATCCTTC  
 TGTGTAGTTCAGAGGAAGGCATCCCTCGGCCACGTACCTTTGGGAGAAGTTAGATAATACGCTCAAGCT  
 ACCTCAAACAGCCACTCAGGACCAGTCCAGGGAACAGTACCATCCGGAATATCAGTGCCTCTCTTCC  
 GGCTGTACCAAGTGTGTGGCTTCTAATGCCATCGGGACCAGCACCTGTCTGCTGGACCTCCAGGTTATCT  
 CACCCAGCCCCGGAGCGTTGGAGTAATAGCCGGAGCGTTGGCACCGGTGCTGTTCTTATCGTCATCTG  
 CCTTGACTAATTTAGGGCGTCTTTTACTGGAGAAGCAAAAACAAGAGGAGGAGGAGGAAGAAATT  
 CCTAATGAAATCAGAGAGGATGATCTTCCCCTAAATGCTCTTCTGCCAAAGCCTTCCACACGGAGATAT  
 CCTCCTCAGAAAATAACACGCTGACCTCTTCCAATACCTACAACAGTCGATACTGGAACAACAATCCAAA  
 ACCCCATAGAAACACAGAGTCTTCAACCACTCAGTGACTTACGCCAGTCTTCTCTGGCAATGCGATT  
 ATCCCATCAATCTATGCAAATGGGAACCATCTGGTTTTGGGTCCACATAAGACTCTGGTAGTTACAGCCA  
 ACAGAGGGTCAACCTCAGGTCTTGCCAGGAACAATGGTTCAGTCAGCAGGAAGCCTTGGCCTCAACA  
 CACTATTCTACACAGTAAGCCAAATGACCCTGGAGCGCATCGGTGCAGTGCCTGTATGGTGCCTGCC  
 CAGAGTCGAGCAGGGTCCCTGGTA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR206819 protein sequence  
 Red=Cloning site Green=Tags(s)

MTRRRSAPASWLLVSLLGVATSLEVSESPGSVQVARGQTAVLPCAFSTSAALLNLNVIWMVIPLSNANQP  
 EQVILYQGGQMFDFGALRFHGRVGFGTMPATNVSIFINNTQLSDTGYQCLVNNLPDRGGRNIGVTGLTV  
 LVPPSAPQCQIQGSQDLGSDVILLCSSEEGIPRPTYLWEKLDNTLKLPTATQDQVQGTVTIRNISALSS  
 GLYQCVASNAIGTSTCLLDLQVISPPRQSVGVIAGAVGTGAVLIVICLALISGAFFYWRSKNKEEEEEIE  
 PNEIREDDLPPKCSSAKAFHTEISSSENNTLTSSNTYNSRYWNNNPKPHRNTESEFNHFDLRSFSGNAV  
 IPSIYANGNHLVLGPHKTLVVTANRGSSPQVLPNNNGSVSRKPPWQHHSYTVSQMTERIGAVPVMVPA  
 QSRAGSLV

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

Cloning Scheme:



ACCN: NM\_170599

ORF Size: 1287 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](mailto: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.

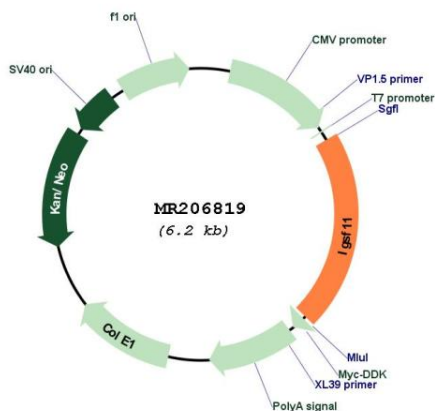
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- 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\\_170599.2](#), [NP\\_733548.2](#)

RefSeq Size: 3430 bp  
 RefSeq ORF: 1287 bp  
 Locus ID: 207683  
 UniProt ID: [P0C673](#)  
 Cytogenetics: 16 B4  
 MW: 46.1 kDa  
 Gene Summary: Functions as a cell adhesion molecule through homophilic interaction. Stimulates cell growth (By similarity).[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR206819