

## Product datasheet for MC211282

### Igsf5 (NM\_001177886) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Igsf5 (NM\_001177886) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Igsf5  
**Synonyms:** 2010003D20Rik; Jam4; JCAM  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC211282 representing NM\_001177886  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGC**C

ATGGAGGGCAGCTGGAGAGATGTCCTGGCTGTGCTGGTCATCCTGGCTCAGCTGACAGCTTCCGGATCCA  
 GTTATCAGATCATAGAAGTCTCAGAATGTAACAGTCTAAAGGACTCAGAGGCTCACTCAACTGCAC  
 CGTGACTCAGGGCTGGAAGCTTCTCATGTGGACTCTTAACCAAAATGGTGGTGTGAGTCTCACCACCCAA  
 GGACCCATCATACCAACAACCGCTTCACTATGCCAGTTACAACAGCACTGACAGCTTCATCTCGGAGT  
 TGATCATCCATGATGTGCAGCCAGTGACTCGGGATCCGTGCAATGCAGCCTGCAGAACAGCCATGGGTT  
 TGGATCTGCCTTCTCAGTGCAAGTCATGGGGACCCTGAACATTCCTAGCAACAACCTTATAGTCACT  
 GAGGGTGAACCCTGTAATGTGACTTGCTATGCCGTGGGCTGGACCTCACTCCCGGATATTTCTGGGAGC  
 TTGAGGTTCCCGTAAGCCATTCGAGTTACAATTCCTTTCTGGAGCCGGGCAACTTATGAGGGTCTTGAG  
 TGTCTGGACCTCACACCACTGGGCAACGGGACCTTGACTGTGTGGCAGAGCTGAAGGACTGCAGGCC  
 AGCAAGTCCTTAAGTGTCAACCTGACTGTGGTTCAGCTCCACCTGACAGTATTGGAGAGGAAGGCCCA  
 CACTGCCGACCTGGGCCATCATCTGCTGGCAGTGGCCTTTTCTGCTTTGATCCTGATTCATTGTTT  
 GATTATAATATTCTGTTGCTGTTGTGCCTCCAGGAGAGAAAAGGAAGAATCTACTTATCAAAATGAAATA  
 AGGAAATCTGCAACATGAGGACAAACAAGCAGATCCGGAGACAAAGTAAAAAGTGGAAAGGAAAAC  
 ACGGGTACAGTTCGGATGAGGCAAAGGCTGCACAGACTGCATCTCCTCCTAAATCTGCTGAAGTCAG  
 CCTCCAGAAAAACGCAGCAGTAGCCTTCTTATCAGAGGTCGACTCATGGAATGGTGGATGCTGAGAGG  
 TCCAAGTTCCACAACATCTGAAAAACCAGGAGGGAGTTGATGACATGGCTGCAGCCTGTGGTGC**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001177886



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|                               |  |
|-------------------------------|--|
| <b>Insert Size:</b>           | 1119 bp  |
| <b>OTI Disclaimer:</b>        | <p>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 <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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. <a href="#">More info</a></p> |
| <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_001177886.1</a> , <a href="#">NP_001171357.1</a>  |
| <b>RefSeq Size:</b>           | 1508 bp  |
| <b>RefSeq ORF:</b>            | 1119 bp  |
| <b>Locus ID:</b>              | 72058  |
| <b>Cytogenetics:</b>          | 16 C4  |
| <b>Gene Summary:</b>          | <p>Provides, together with MAGI1, an adhesion machinery at tight junctions, which may regulate the permeability of kidney glomerulus and small intestinal epithelial cells. Mediates calcium-independent homophilic cell adhesion. In testis, it may function as a cell adhesion molecule rather than a tight-junction protein. It may participate in the adhesion between spermatogonia-spermatogonia, spermatogonia-Sertoli cells, and Sertoli cells-Sertoli cells. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) encodes the longest isoform (1).</p>   |