

## Product datasheet for MC211283

### Igsf5 (NM\_001177887) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Igsf5 (NM\_001177887) 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:** >MC211283 representing NM\_001177887  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAGGGCAGCTGGAGAGATGTCCTGGCTGTGCTGGTCATCCTGGCTCAGCTGACAGCTTCCGGATCCA  
 GTTATCAGATCATAGAAGTCTCAGAATGTAACAGTCTAAAGGACTCAGAGGCTCACTCAACTGCAC  
 CGTGACTCAGGGCTGGAAGCTTCTCATGTGGACTCTTAACCAAAATGGTGGTGTGAGTCTCACCACCCAA  
 GGACCCATCATACCAACAACCGCTTCACTATGCCAGTTACAACAGCACTGACAGCTTCATCTCGGAGT  
 TGATCATCCATGATGTGCAGCCAGTGACTCGGGATCCGTGCAATGCAGCCTGCAGAACAGCCATGGGTT  
 TGGATCTGCCTTCTCTCAGTGCAAGTCATGGGGACCCTGAACATTCCTAGCAACAACCTTATAGTCACT  
 GAGGGTGAACCCTGTAATGTGACTTGCTATGCCGTGGGCTGGACCTCACTCCCGGATATTTCTGGGAGC  
 TTGAGGTTCCCGTAAGCCATTCGAGTTACAATTCCTTTCTGGAGCCGGCAACTTATGAGGGTCTTGAG  
 TGTCTGGACCTCACACCACTGGGCAACGGGACCTTGACTGTGTGGCAGAGCTGAAGGACTGCAGGCC  
 AGCAAGTCCTTAAGTGTCAACCTGACTGTGGTTCAGCTCCACCTGACAGTATTGGAGAGGAAGGCCCA  
 CACTGCCGACCTGGCCATCATCTGCTGGCAGTGGCCTTTTCTGCTTTGATCCTGATTCATTGTTT  
 GATTATAATATTCTGTTGCTGTTGTGCCTCCAGGAGAGAAAAGGAAGAATCTACTTATCAAAATGAAATA  
 AGGAAATCTGCAACATGAGGACAAACAAGCAGATCCGGAGACAAAGTAAAAAGTGGAAAGGAAAAC  
 ACGGGTACAGTTCGGATGAGGCAAGGCTGCACAGACTGCATCTCCTCCTAAATCTGCTGAAGTCAG  
 CCTCCAGAAAAACGCAGCAGTAGCCTTCTTATCAGGAACTCAATAAACATCAGCCCGTCCAGCAACT  
 CATCCACGGGTTTCTTTGACATCGCCAGTCTCAGAAGGTCAGAAATGTGACTTATAGT**TAA**

**ACGGGT**ACGGCGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001177887



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<b>Insert Size:</b>	1113 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>	<u>NM_001177887.1, NP_001171358.1</u>
<b>RefSeq Size:</b>	1907 bp
<b>RefSeq ORF:</b>	1113 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 (2) has an alternate 3' exon, as compared to variant 1. The resulting isoform (2) is 2 aa shorter and has a different C-terminus, as compared to isoform 1.</p>