

Product datasheet for **MC207713**

Igsf5 (NM_028078) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Igsf5 (NM_028078) 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: >MC207713 representing NM_028078
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGAGGGCAGCTGGAGAGATGTCCTGGCTGTGCTGGTCATCCTGGCTCAGCTGACAGCTCCGGATCCA
GTTATCAGATCATAGAAGTCCCTCAGAATGTAACAGTCCCTAAAGGACTCAGAGGCTCACTCAACTGCAC
CGTGACTCAGGGCTGGAAGCTTCTCATGTGGACTCTTAACCAAAATGGTGGTGTGAGTCTCACCCCAA
GGACCCATCATACCAACAACCGCTTCACCTATGCCAGTTACAACAGCACTGACAGCTTCATCTCGGAGT
TGATCATCCATGATGTGCAGCCAGTGACTCGGGATCCGTGCAATGCAGCCTGCAGAACAGCCATGGGTT
TGGATCTGCCTTCCTCTCAGTGCAAGACAGTATTGGAGAGGAAGGCCAGCACTGCCACCTGGGCCATC
ATCCTGCTGGCAGTGGCCTTTTCCTTGCTTTGATCCTGATCATTGTTTTGATTATAATATTCTGTTGCT
GTTGTGCCTCCAGGAGAGAAAAGGAAGAATCTACTTATCAAAATGAAATAAGGAAATCTGCAAACATGAG
GACAAACAAAGCAGATCCGGAGACAAAGTAAAAAGTGGAAAGGAAAACACGGGTACAGTTCGGATGAG
GCAAAGGCTGCACAGACTGCATCTCTCCCTCCTAAATCTGCTGAAGTCAGCCTTCCAGAAAAACGCAGCA
GTAGCCTTCCTTATCAGGAAGTCAATAAACATCAGCCCGGTCCAGCAACTCATCCAGGGTTTCCTTTGA
CATCGCCAGTCCCTCAGAAGGTGAGAAATGTGACTTTAGT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_028078
Insert Size: 813 bp



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OTI Disclaimer:	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).
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:	<ol style="list-style-type: none">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_028078.3 , NP_082354.1
RefSeq Size:	1600 bp
RefSeq ORF:	813 bp
Locus ID:	72058
UniProt ID:	Q7TSN7
Cytogenetics:	16 C4
Gene Summary:	<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 (3) lacks an internal in-frame coding exon and has an alternate 3' exon, as compared to variant 1. The resulting isoform (2) is shorter; it lacks an internal segment and has a different C-terminus, as compared to isoform 1.</p>