

Product datasheet for **RN210338**

Igsf5 (NM_001006990) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Igsf5 (NM_001006990) Rat Untagged Clone
Tag: Tag Free
Symbol: Igsf5
Synonyms: Jam4
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN210338 representing NM_001006990
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGC**C

ATGGAGGGCAGCTGGAGAGATGTCCTGGCTGTGCTGGTCATCCTGGCTCAGTTGACAGTTTCCGGATCCA
GTTATCAGATCATAGAAGTCTCGGAATGTAACAGCCCTAAAGGGCTCGGAGGCTCGTCTCAACTGCAC
TGTGACTCATGGCTGGAAGCTTATCATGTGGGCTCTCAACGGTATCGTGGAGCTGAGTCTCACCTCCCAG
AAACCCATCATACCAGCAACCGCTTCACTCTGCCAGCTACAACAGTACTGACAGCTTCATCTCTGAGA
TGATCATCCACAATGTACAGCTCAACGACTCGGGGCCCGTGAATGTAGCCTGCAGAACGCAATGTGTT
TGGATTCGCCCTTCTCTCGGTGCAAGTCATGGGGACTCTGAACATTCCTAGCAGCAACCTTATAGTCACT
GAGGGTGAGCCCTGTAACGTGACTTGCTATGCCGTGGGCTGGACCCCACTCCCGAATATTTCTGGGAGC
TTGAGGTTCTGTAAAGTCATTCAAGCTACTATTCCTTTCTGGAGCCGGGCAACTCTGAGGGTCTTGAG
TGTCTGGATCTCACACCACTGGGCAACGGGACCTTGACTTGTGTGGCAGAGATGAAGGACTTGCAGGCC
AGCGAGTCCTTAACTGTCAACCTGACTGTGGTTCAGCCTCCACCGGACAGTATTGGCGGGGAAGGCCAAG
CGCTGCCAACCTGGGCCATCATCTCCTGGCAGTGGCCTTTTCTTACTCTTGATCCTGATCATTGCTCT
GATTATAATATTCTGTTGCTGTTGTCTCCAGGAGAGAAAAGGAAGAATCTACTTATCAAATGAAATA
AGGAAATCTGCAAATGTGAGGACAGGCAAAGCAGATCCCGAGACATGGTTAAAAAGTGGGAAGGAAACT
ATGGGTACAAATCGGATGAAGCAAGGGCTGCACAAATTGCTTCTCTCCCTCTAAATCTGGTGAAGTTAG
CCTTCCAGAACACGCAGTAGCCTTCTCAACAGGAACCTGATAAACATCGGCCAGCCAGCCAGTACTCAT
CCACGAGTTTCTTTGACATCGCCAGTCTCAGAAGATCAGAAATGTGACTATAGT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001006990



Insert Size:	1110 bp
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:	<u>NM_001006990.2</u> , <u>NP_001006991.1</u>
RefSeq Size:	2164 bp
RefSeq ORF:	1110 bp
Locus ID:	304000
UniProt ID:	<u>Q5VJ70</u>
Cytogenetics:	11q11
Gene Summary:	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 (By similarity).[UniProtKB/Swiss-Prot Function]