

## Product datasheet for **MC206708**

### Igsf8 (BC048387) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Igsf8 (BC048387) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Igsf8
Synonyms:	PGRL, EWI-2, KCT-4
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC048387  
 GCTGGGCTCTGCGCACCCACGCTTCACTGCTCCGCTTTCTGCCCCACCTGGGCATGCGCCCCCGCGG  
 CCCTGGCCCCCAGAGCCCACGCCGCCGCCAGGAGTCTCCTCAGAGCCGCTACGCAGAATGGGCGTCCC  
 TAGCCCCACGCCGCTGAGTTCGCTCCTGCTGCTGCTAATACTTGAACACAGGTGCTACGCCCGCAG  
 GTGCATGTCCCCAGGGGACCTCTTACCAGGTTGGTGGCACCGTGTCTATCTCCTGCAACGTGAGTG  
 ACTATGAGGGCCCTGCCAGCAAGACTTCGAGTGGTTCATGTACAGACCAGAGCCCCAGCTACGTCCCT  
 GGGCATTGTGAGCACAAGGATAGCCAGTTCCTATGCTGCTTTGGCCCTCGTGTGGCATCTGGTGAC  
 CTGCAGGTGCAGCGCTGAAGGGAGATTCGGTGGTGTCTAAGATTGCTCGCTGCAGGCCAGGACTCTG  
 GCTTTTATGAGTGTACACCCCTCCACAGATACGCAGTACCTGGCAACTACAGTGCCAAGGTGGAGCT  
 GAGAGTCTTCCAGATGAGCTGCAGGTATCTGCTGCCCTCCAGGGCCCCAGGGGCCAGGCTGCCACC  
 TCCCCCTCACGCCTCACAGTGCACGAGGGGAGGAGCTTGCCTGGGCTGCCTGGCTCAGACAAAAACA  
 AGAAACACACACCTGTGCGGTGCTTTGGGAGAGCCATTCCGGAGGCGCCAGTGGGGCAGCCACTCT  
 ACAGGAAGTAGTGGGACTGCACTCCGACATGGCGGTGGAGGCTGGAGCGCCCTACGCTGAGAGGCTAGCT  
 TCTGGGGAGCTTCGGCTGAGCAAGGAAGGACTGATCGGTACCGAATGGTGGTTGGGGTCCCAGGCTG  
 GAGACTCGGGCACCTACCACTGTACGGCCGCTGAGTGGATTGAGGATCCTGACGGCTCCTGGGTCCAGGT  
 CGCAGAGAAGAGGGCAGTCTGGCTCATGTTGATGTGCAGACTCTGTCCAGCCAGCTGGCGGTGACCGTG  
 GGACCTGGTGAACGTGCGATTGGCCAGGCGAACCCCTTAGAACTGCTGTGCAATGTGTCCGGTGCCTGC  
 CCCCACAGGCCGTCATGCTGCGTACTCTGTGGGCTGGGAGATGGCCCTGCAGGGGCTCCTGGACCCGG  
 CCGCTGGTGGCCAGCTGGACACGGAAGGTATAGGCAGCCTGGGCCCTGGCTATGAGGACCGGCACATT  
 GCCATGGAGAAAGTAGCATCCAGAACCTACCGACTGCGGCTGGAGGCTGCCAGGCCCGCTGATGCAGGCA  
 CCTACCGCTGCCTCGCAAAGCCTATGTTGAGGGTCTGGGACCCGGCTTCGTGAAGCGGCCAGTGTCTG  
 TTCGGCCCTCTCCCTGTGCATGTGAGAGAAGAAGGCGTGGTGTAGAGGCTGTGGCGTGGCTAGCAGGG  
 GGCAGTGTGACCGGGGAGAAACGGCCTCCCTGCTATGCAACATATCTGTGCGGGCGGCCCCCCAGGGC  
 TGGCACTAGCAGCCAGCTGGTGGGTGGAGAGGCCAGAGGAGGGCGAGCTGAGCACTGGCCCTGCTCAGCT  
 TGTGGGTGGAGTGGTCAAGACGGTGTGGCAGAGCTGGGAGTCCGGCCTGGAGGGGGTCTGTAGTGTG  
 GAGCTGGTGGGACCCAGAAGTCATCGGTAAGACTGCACGGCTTGGGGCCTGAGGATGAAGGCATATAAC  
 ACTGTGCCCAAGTGCCTGGGTGCAGCATGCGGACTACAGCTGGTACCAGGCAGGCAGTGCAGCTCCGG  
 GCCTGTACAGTCTACCCCTACACGCATGCTGTGGATACCCTATTTGTGCCCTGTTGGTGGGTACAGGA  
 GTCGCCCTAGTTACCGGCCAGCGTCTGGCTACCATCACTGCTGCTTTATGAAGAGGATGCGGAAGC  
 GGTGATCTGTAGACCCAGTTCTTGCAGGTGTTGACTGTCTCCAGCCAGTGCCACCCCTCCTCTGGTT  
 GCCTGGATACCCTCTCCCTCTGTCCAGCCACCTTAAATTTATTTGACCAGCCATCACCTAGAGTGGGAG  
 ACATGGCTCCCCTGTTCCCTCCTCCCTCAAGTTTCTGGCTGCCGTTCTTAGTCCACACTCATGTTGT  
 AGGAAGTCCAGTTCCTGTCTCAAACTAGTTTTCTAAAATGTGAATAAACTGGTTTTGTAAAAAAAAAAAAA AAAAAAAAAAAAAAAAAA

**Restriction Sites:** EcoRI-NotI

**ACCN:** BC048387

**Insert Size:** 1836 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:**

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:** [BC048387](#), [AAH48387](#)

**RefSeq Size:** 2256 bp

**RefSeq ORF:** 1836 bp

**Locus ID:** 140559

**Cytogenetics:** 1 79.59 cM

**Gene Summary:** May play a key role in diverse functions ascribed to CD81 and CD9 such as oocytes fertilization or hepatitis C virus function. May regulate proliferation and differentiation of keratinocytes. May be a negative regulator of cell motility: suppresses T-cell mobility coordinately with CD81, associates with CD82 to suppress prostate cancer cell migration, regulates epidermoid cell reaggregation and motility on laminin-5 with CD9 and CD81 as key linkers. May also play a role on integrin-dependent morphology and motility functions. May participate in the regulation of neurite outgrowth and maintenance of the neural network in the adult brain.[UniProtKB/Swiss-Prot Function]