

## Product datasheet for **RC208850**

### **IGSF8 (NM\_052868) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	IGSF8 (NM_052868) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	IGSF8
Synonyms:	CD81P3; CD316; EWI-2; EWI2; KCT-4; LIR-D1; PGRL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC208850 representing NM\_052868  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGGCGCCCTCAGGCCACGCTGCTGCCGCCTTCGCTGCCGCTGCTGCTGCTGCTAATGCTAGGAATGG  
 GATGCTGGGCCCGGAGGTGCTGGTCCCGAGGGGCCCTGTACCGCGTGGCTGGCACAGCTGTCTCCAT  
 CTCTGCAATGTGACCGCTATGAGGGCCCTGCCAGCAGAACTTCGAGTGGTTCCTGTATAGGCCGAG  
 GCCCAGATACTGCACTGGGCATTGTGAGTACCAAGGATACCCAGTTCTCTATGCTGTCTTCAAGTCCC  
 GAGTGGTGGCGGTGAGGTGCAGGTGCAGCGCCTACAAGGTGATGCCGTGGTGTCAAGATTGCCCGCT  
 GCAGGCCCAGGATGCCGGCATTATGAGTGCCACACCCCTCCACTGATACCCGCTACCTGGGCAGCTAC  
 AGCGGCAAGGTGGAGCTGAGAGTCTTCCAGATGCTCCAGGTGTCTGCTGCCCCCAGGGCCCCGAG  
 GCCGCCAGGCCCAACCTCACCCACGCATGACGGTGCATGAGGGCAGGAGCTGGCACTGGGCTGCCT  
 GCGGAGGACAAGCACACAGAAGCACACACCTGGCAGTGTCTTTGGCGATCTGTGCCGAGGACCA  
 GTTGGGCGGTCAACTCTGCAAGGAAGTGGTGGAAATCCGGTCAGACTTGGCGTGGAGGCTGGAGCTCCCT  
 ATGCTGAGCGATTGGCTGCAGGGGAGCTTCGTCTGGGCAAGGAAGGGACCGATCGGTACCGCATGGTAGT  
 AGGGGGTGGCCAGGCAGGGGACGCAGGCACCTACCACTGCACTGCCGCTGAGTGGATTAGGATCCCTGAT  
 GGCAGCTGGGCCAGATTGCAGAGAAAAGGGCCGTCTGGCCACGTGGATGTGCAGACGCTGTCCAGCC  
 AGCTGGCAGTGACAGTGGGGCCTGGTGAACGTCGGATCGGCCAGGGGAGCCCTTGGAACTGCTGTGCAA  
 TGTGTGAGGGCCTTCCCCAGCAGGCCGTATGCTGCATACTGTAGGTTGGGAGATGGCACCTGCC  
 GGGGCACCTGGGCCCGCCGCTGGTAGCCAGCTGGACACAGAGGTGTGGCAGCTGGGCCCTGGCT  
 ATGAGGGCCGACACATTGCCATGGAGAAGGTGGCATCCAGAACATACCGGCTACGGCTAGAGGCTGCCAG  
 GCCTGGTGTGCGGGCACCTACCGCTGCCTCGCCAAAGCCTATGTTTCGAGGGTCTGGGACCCGGCTTCGT  
 GAAGCAGCCAGTCCCGTTCGCCGCTCTCCCTGTACATGTGCGGGAGGAAGGTGTGGTGTGGAGGCTG  
 TGGCATGGCTAGCAGGAGGCACAGTGTACCGGGGAGACTGCCTCCCTGCTGTGCAACATCTCTGTGCG  
 GGGTGGCCCCCAGGACTGCGGCTGGCCGACGCTGGTGGTGGAGCGACCAGAGGACGGAGAGCTCAGC  
 TCTGTCCCTGCCAGCTGGTGGTGGCGTAGGCCAGGATGGTGTGGCAGAGCTGGGAGTCCGGCCTGGAG  
 GAGGCCCTGTGAGCTGAGAGTGGTGGGCCCCGAAGCCATCGGCTGAGACTACACAGCTGGGGCCCGA  
 GGATGAAGGCGTGTACCACTGTGCCCCAGCGCCTGGTGCAGCATGCCACTACAGCTGGTACCAGGCG  
 GGCAGTCCCCTCAGGGCCTGTACAGTCTACCCCTACATGCATGCCCTGGACACCCTATTTGTGCCCTC  
 TGCTGGTGGGTACAGGGTGGCCCTAGTCACTGGTCCACTGTCTTGGTACCATCACTGCTGCTTCAT  
 GAAGAGGCTTCGAAAACGG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC208850 representing NM\_052868  
 Red=Cloning site Green=Tags(s)

MGALRPTLLPPSLPLLLLLMLGMGCWAREVLPVEGPLYRVAGTAVSISCNVTGYEGPAQQNFEWFLYRPE  
 APDTALGIVSTKDTQFSYAVFKSRVVAGEVQVQRLQGDVAVLKIARLQAQDAGIYECHTPSTDTRYLGSY  
 SGKVELRVLPDVLQVSAAPPGRGRQAPTSPRMTVHEGQELALGCLARTSTQKHTHLAVSFGRSVPEAP  
 VGRSTLQEVVGIKRSDLAVEAGAPYAERLAAGELRLGKEGTDRYRMVVGGAQAGDAGTYHCTAAEWIQDPD  
 GSWAQIAEKRAVLAHVQTLSSQLAVTVGPGERRIGPGEPLLELNCVSGALPPAGRHAAYSVGWEMAPA  
 GAPGPGRLVAQLDTEGVGSLGPGYEGRHIAEKVASRTYRLRLEAARPGDAGTYRCLAKAYVRGSGTRLR  
 EAASARSRPLPVHVREEGVYLEAVAWLAGTVYRGETASLLCNISVRGGPPGLRLAASWVVERPEDGELS  
 SVPAQLVGGVQDVAELGVRPGGPPVSVELVGPVRSRHLRLHSLGPEDEGVYHCAPSAAWQHADYSWYQA  
 GSARSQPVTVYPYMHALDTLFLVPLLVTGVALVTGATVLTGTTCCFMKRLRKR

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk8120\\_d07.zip](https://cdn.origene.com/chromatograms/mk8120_d07.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_052868

**ORF Size:** 1839 bp

**OTI Disclaimer:** 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. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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:** [NM\\_052868.6](#)

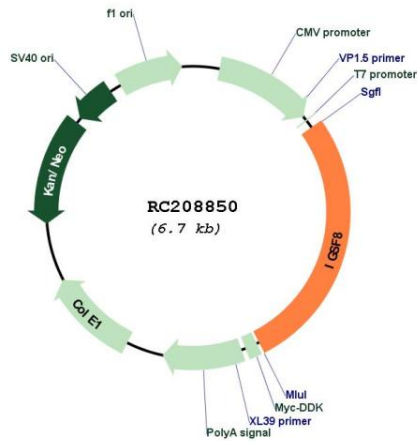
**RefSeq Size:** 2320 bp

**RefSeq ORF:** 1842 bp

**Locus ID:** 93185  
**UniProt ID:** [Q969P0](#)  
**Cytogenetics:** 1q23.2  
**Domains:** ig, IG  
**Protein Families:** Transmembrane  
**MW:** 65.5 kDa

**Gene Summary:** This gene encodes a member the EWI subfamily of the immunoglobulin protein superfamily. Members of this family contain a single transmembrane domain, an EWI (Glu-Trp-Ile)-motif and a variable number of immunoglobulin domains. This protein interacts with the tetraspanins CD81 and CD9 and may regulate their role in certain cellular functions including cell migration and viral infection. The encoded protein may also function as a tumor suppressor by inhibiting the proliferation of certain cancers. Alternate splicing results in multiple transcript variants that encode the same protein. [provided by RefSeq, Sep 2011]

### Product images:



Circular map for RC208850