

Product datasheet for **RC234567**

IGSF8 (NM_001206665) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IGSF8 (NM_001206665) 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:

>RC234567 representing NM_001206665
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGCGCCCTCAGGCCACGCTGCTGCCGCCTTCGCTGCCGCTGCTGCTGCTGCTAATGCTAGGAATGG
 GATGCTGGGCCCGGAGGTGCTGGTCCCGAGGGGCCCTTGACCGCTGGCTGGCACAGCTGTCTCCAT
 CTCTGCAATGTGACCGCTATGAGGGCCCTGCCAGCAGAACTTCGAGTGGTTCCTGTATAGGCCGAG
 GCCCAGATACTGCACTGGGCATTGTGAGTACCAAGGATACCCAGTTCTCTATGCTGTCTTCAAGTCCC
 GAGTGGTGGCGGTGAGGTGCAGGTGCAGCGCCTACAAGGTGATGCCGTGGTGTCAAGATTGCCCGCT
 GCAGGCCCAGGATGCCGGCATTATGAGTGCCACACCCCTCCACTGATACCCGCTACCTGGGCAGCTAC
 AGCGGCAAGGTGGAGCTGAGAGTCTTCCAGATGCTCCAGGTGTCTGCTGCCCCCAGGGCCCCGAG
 GCCGCCAGGCCAACCTCACCCACGCATGACGGTGCATGAGGGCAGGAGCTGGCACTGGGCTGCCT
 GCGGAGGACAAGCACACAGAAGCACACACCTGGCAGTGTCTTTGGGCGATCTGTGCCGAGGACCA
 GTTGGGCGGTCAACTCTGACGGAAGTGGTGGAAATCCGGTCAGACTTGGCGTGGAGGCTGGAGCTCCCT
 ATGCTGAGCGATTGGCTGCAGGGGAGCTTCGTCTGGGCAAGGAAGGGACCGATCCGTACCGCATGGTAGT
 AGGGGGTGGCCAGGCAGGGGACGCAGGCACCTACCACTGCACTGCCGCTGAGTGGATTAGGATCCCTGAT
 GGCAGCTGGGCCAGATTGCAGAGAAAAGGGCCGTCTGGCCACGTGGATGTGCAGACGCTGTCCAGCC
 AGCTGGCAGTGACAGTGGGGCCTGGTGAACGTCGGATCGGCCAGGGGAGCCCTTGGAACTGCTGTGCAA
 TGTGTGAGGGCCTTCCCCAGCAGGCCGTATGCTGCATACTGTAGGTTGGGAGATGGCACCTGCC
 GGGCACCTGGGCCCGCCGCTGGTAGCCAGCTGGACACAGAGGTGTGGGCAGCTGGGCCCTGGCT
 ATGAGGGCCGACACATTGCCATGGAGAAGTGGCATCCAGAACATACCGCTACGGCTAGAGGCTGCCAG
 GCCTGGTGTGCGGGCACCTACCGCTGCCTCGCCAAAGCCTATGTTTCGAGGGTCTGGGACCCGGCTTCGT
 GAAGCAGCCAGTCCCGTTCGCCGCTCTCCCTGTACATGTGCGGGAGGAAGGTGTGGTGTGGAGGCTG
 TGGCATGGCTAGCAGGAGGCACAGTGTACCGGGGAGACTGCCTCCCTGCTGTGCAACATCTCTGTGCG
 GGGTGGCCCCCAGGACTGCGGCTGGCCGACGCTGGTGGTGGAGCGACCAGAGGACGGAGAGCTCAGC
 TCTGTCCCTGCCAGCTGGTGGTGGCGTAGGCCAGGATGGTGTGGCAGAGCTGGGAGTCCGGCCTGGAG
 GAGGCCCTGTGAGCTGAGCTGGTGGGCCCGAAGCCATCGGCTGAGACTACACAGCTGGGGCCCGA
 GGATGAAGGCGTGTACCACTGTGCCCCAGCGCCTGGTGCAGCATGCCACTACAGCTGGTACCAGGCG
 GGCAGTCCCCTCAGGGCCTGTACAGTCTACCCCTACATGCATGCCCTGGACACCCTATTTGTGCTC
 TGCTGGTGGGTACAGGGTGGCCCTAGTCACTGGTCCACTGTCTTGGTACCATCACTGCTGCTTCAT
 GAAGAGGCTTCGAAAACGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTAA

Protein Sequence:

>RC234567 representing NM_001206665
 Red=Cloning site Green=Tags(s)

MGALRPTLLPPSLPLLLLLMLGMGCWAREVLPVEGPLYRVAGTAVSISCNVTGYEGPAQQNFEWFLYRPE
 APDTALGIVSTKDTQFSYAVFKSRVVAGEVQVQRLQGDVAVLKIARLQAQDAGIYECHTPSTDTRYLGSY
 SGKVELRVLPDVLQVSAAPPGRGRQAPTSPRMTVHEGQELALGCLARTSTQKHTHLAVSFGRSVPEAP
 VGRSTLQEVVGIKRSDLAVEAGAPYAERLAAGELRLGKEGTDYRMMVVGGAQAGDAGTYHCTAAEWIQDPD
 GSWAQIAEKRAVLAHVDVQTLSSQLAVTVGPGERRIGPGEPELLECNVSGALPPAGRHAAYSVGWEMAPA
 GAPGPGRLVAQLDTEGVGSLGPGYEGRHIAEKVASRTYRLRLEAARPGDAGTYRCLAKAYVRGSGTRLR
 EAASARSRPLPVHVREEGVYLEAVAWLAGTVYRGETASLLCNISVRGGPPGLRLAASWVVERPEDGELS
 SVPAQLVGGVQDVAELGVRPGGPPVSVELVGPGRSHRLRLHSLGPEDEGVYHCAPSAAWQHADYSWYQA
 GSARSQPVTVYPYMHALDTLFFVPLLVTGVALVTGATVLGTITCCFMKRLRKR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8120_d07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001206665

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_001206665.2](#), [NP_001193594.1](#)

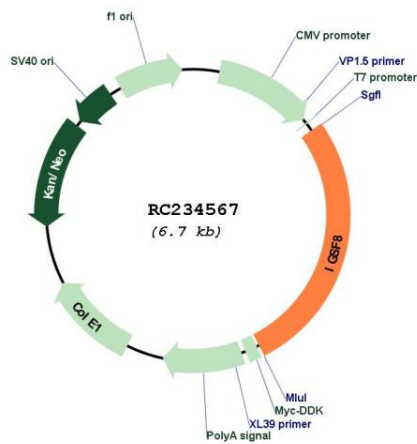
RefSeq Size: 2218 bp

RefSeq ORF: 1842 bp

Locus ID: 93185
UniProt ID: [Q969P0](#)
Cytogenetics: 1q23.2
Protein Families: Transmembrane
MW: 65 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 RC234567