OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC120151

IGSF8 (NM_052868) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IGSF8 (NM_052868) Human Untagged Clone
Tag:	Tag Free
Symbol:	IGSF8
Synonyms:	CD81P3; CD316; EWI-2; EWI2; KCT-4; LIR-D1; PGRL
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

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Fully Sequenced ORF:

>OriGene ORF within SC120151 sequence for NM_052868 edited (data generated by NextGen Sequencing)

ATGGGCGCCCTCAGGCCCACGCTGCTGCCGCCTTCGCTGCCGCTGCTGCTGCTGCTAATG
CTAGGAATGGGATGCTGGGCCCGGGAGGTGCTGGTCCCCGAGGGGCCCTTGTACCGCGTG
GCTGGCACAGCTGTCTCCATCTCCTGCAATGTGACCGGCTATGAGGGCCCTGCCCAGCAG
AACTTCGAGTGGTTCCTGTATAGGCCCGAGGCCCCAGATACTGCACTGGGCATTGTCAGT
ACCAAGGATACCCAGTTCTCCTATGCTGTCTTCAAGTCCCGAGTGGTGGCGGGTGAGGTG
CAGGTGCAGCGCCTACAAGGTGATGCCGTGGTGCTCAAGATTGCCCGCCTGCAGGCCCAG
GATGCCGGCATTTATGAGTGCCACACCCCCTCCACTGATACCCGCTACCTGGGCAGCTAC
AGCGGCAAGGTGGAGCTGAGAGTTCTTCCAGATGTCCTCCAGGTGTCTGCTGCCCCCCCA
GGGCCCCGAGGCCGCCAGGCCCCAACCTCACCCCCACGCATGACGGTGCATGAGGGGCAG
GAGCTGGCACTGGGCTGCCTGGCGAGGACAAGCACACAGAAGCACACACACCTGGCAGTG
TCCTTTGGGCGATCTGTGCCCGAGGCACCAGTTGGGCGGTCAACTCTGCAGGAAGTGGTG
GGAATCCGGTCAGACTTGGCCGTGGAGGCTGGAGCTCCCTATGCTGAGCGATTGGCTGCA
GGGGAGCTTCGTCTGGGCAAGGAAGGGACCGATCGGTACCGCATGGTAGTAGGGGGTGCC
CAGGCAGGGGACGCAGGCACCTACCACTGCACTGCCGCTGAGTGGATTCAGGATCCTGAT
GGCAGCTGGGCCCAGATTGCAGAGAAAAGGGCCGTCCTGGCCCACGTGGATGTGCAGACG
CTGTCCAGCCAGCTGGCAGTGACAGTGGGGCCTGGTGAACGTCGGATCGGCCCAGGGGAG
CCCTTGGAACTGCTGTGCAATGTGTCAGGGGCACTTCCCCCAGCAGGCCGTCATGCTGCA
TACTCTGTAGGTTGGGAGATGGCACCTGCGGGGGCACCTGGGCCCGGCCGCCTGGTAGCC
CAGCTGGACACAGAGGGTGTGGGCAGCCTGGGCCCTGGCTATGAGGGCCGACACATTGCC
ATGGAGAAGGTGGCATCCAGAACATACCGGCTACGGCTAGAGGCTGCCAGGCCTGGTGAT
GCGGGCACCTACCGCTGCCTCGCCAAAGCCTATGTTCGAGGGTCTGGGACCCGGCTTCGT
GAAGCAGCCAGTGCCCGTTCCCGGCCTCTCCCTGTACATGTGCGGGAGGAAGGTGTGGTG
CTGGAGGCTGTGGCATGGCTAGCAGGAGGCACAGTGTACCGCGGGGAGACTGCCTCCCTG
CTGTGCAACATCTCTGTGCGGGGTGGCCCCCCAGGACTGCGGCTGGCCGCCAGCTGGTGG
GTGGAGCGACCAGAGGACGGAGAGCTCAGCTCTGTCCCTGCCCAGCTGGTGGGTGGCGTA
GGCCAGGATGGTGTGGCAGAGCTGGGAGTCCGGCCTGGAGGAGGCCCTGTCAGCGTAGAG
CTGGTGGGGCCCCGAAGCCATCGGCTGAGACTACACAGCTTGGGGCCCGAGGATGAAGGC
GTGTACCACTGTGCCCCCAGCGCCTGGGTGCAGCATGCCGACTACAGCTGGTACCAGGCG
GGCAGTGCCCGCTCAGGGCCTGTTACAGTCTACCCCTACATGCATGCCCTGGACACCCTA
TTTGTGCCTCTGCTGGTGGGTACAGGGGTGGCCCTAGTCACTGGTGCCACTGTCCTTGGT
ACCATCACTTGCTGCTTCATGAAGAGGCTTCGAAAACGGTGA

Clone variation with respect to NM_052868.4

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_052868 unedited
GGGGTTTCACATTTTGTAATACGACTCACTATAGGGCGGCCGCGAATTCGGCACGAGGGC
TGCCCCGCTTCCTGCCCTCAACCTGGGCATGCGCCCCCCACCCTTCCGGCCCCCCAGAAC
CCGCGCCATCCCCCGGAGCCTCCCCAGAGCTGGCCGCGCAGGATGGGCGCCCTCAGGCCC
ACGCTGCTGCCGCCTTCGCTGCCGCTGCTGCTGCTGCTAATGCTAGGAATGGGATGCTGG
GCCCGGGAGGTGCTGGTCCCCGAGGGGCCCTTGTACCGCGTGGCTGGCACAGCTGTCTCC
ATCTCCTGCAATGTGACCGGCTATGAGGGCCCTGCCCAGCAGAACTTCGAGTGGTTCCTG
TATAGGCCCGAGGCCCCAGATACTGCACTGGGCATTGTCAGTACCAAGGATACCCAGTTC
TCCTATGCTGTCTTCAAGTCCCGAGTGGTGGCGGGTGAGGTGCAGGTGCAGCGCCTACAA
GGTGATGCCGTGGTGCTCAAGATTGCCCGCCTGCAGGCCCAGGATGCCGGCATTTATGAG
TGCCACACCCCCTCCACTGATACCCGCTACCTGNGCAGCTACAGCGGCAAGGTGGAGCTG
AGAGTTCTTCCAGATGTCCTCCAGGTGTCTGCTGCCCCCCCAGGGCCCCGAGGCCGCCAG
GCCCCAACCTCACCCCCACGCATGACGGTGCATGAGGGGCAGGAGCTGGCACTGGGCTGC
CTGGCGAGGACAAGCACACAGAAGCACACACACCTGGCAGTGTCCTTTGGGCGATCTGTG
CCCCGAGGCACCAGTTGGGCGGTCAACTCTGCAGGAAGTGGTGGGAATCCGGTCAGACTT
GGCCGTGGNAGCTGGAGCTCCCTATGCTNGAGCGATGGCTGCAGGGGAGCTTCGTCTGGG
CAAGGAAGGGACCGATCGGTACCGCATGGTANTAGGGGGGTGCCC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_052868 unedited
AAACTACGTATGACCGCGGCCGCTTTCTANATCGAGTTTTTTTTTTTTTTTTTTATAAA
ACAAGTTTATTCACATTTTAGAAAAACTAATTCCAGGACAGGAAATGGCCTCCCTATAGG
ATCCCTAAGAGATCAAGAACAGAAGGCCAGAGGGAGGGGCTTGGGAGGGAAGGAGTGGGG
AAGGGGAGGCACGTCTCCCATTCTGGGTAGTGGGAGGTCAAATAAATTAAAGGAAGAGTG
GACAGAGGGAGAGGGTGTCCAGGCAACCAGAGGAGGGCTTGGAGCTGGGCCGGAAGACAG
TCGACACCTGCAAGACCTGGGGAGTAAGGGATCACCGTTTTCGAAGCCTCTTCATGAAGC
AGCAAGTGATGGTACCAAGGACAGTGGCACCAGTGACTAGGGCCACCCCTGTACCCACCA
GCAGAGGCACAAATAGGGTGTCCAGGGCATGCATGTAGGGGTAGACTGTAACAGGCCCTG
AGCGGGCACTGCCCGCCTGGTACCAGCTGTAGTCGGCATGCTGCACCCAGGCGCTGGGGG
CACAGTGGTACACGCCTTCATCCTCGGGCCCCAAGCTGTGTAGTCTCAGCCGATGGCTTC
GGGGCCCCACCAGCTCTACGCTGACAGGGCCTCCTCCAGGCCGGACTCCCAGCTCTGCCA
CACCATCCTGGCCTACGCCACCCACCAGCTGGGCAGGGACAGAGCTGAGCTCTCCGTCCT
CTGGTCGCTCCACCCACAGCTGGCGGCAGCCGCAGTCCTGGGGGGCCACCCGCCAGAGAT
GTTGCACAGCAGGGAGGCAGTCTCCCCGCGTACACTGTGCCTCCTGCTAGCCAGCCACAG
CCTTCAGCACACACCTTCTTCCGCACATGTCAGGGAAAGCCCGGAC

Restriction Sites: NotI-NotI

ACCN: NM_052868

Insert Size: 2350 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:	NM_052868.1, NP_443100.1
RefSeq Size:	2297 bp
RefSeq ORF:	1842 bp
Locus ID:	93185
UniProt ID:	Q969P0
Cytogenetics:	1q23.2
Domains:	ig, IG
Protein Families:	Transmembrane
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] Transcript Variant: This variant (1) represents the longest transcript. Variants 1, 2 and 3 encode the same protein.