

Product datasheet for SC315752

IGSF5 (NM_001080444) Human Untagged Clone

Product data:

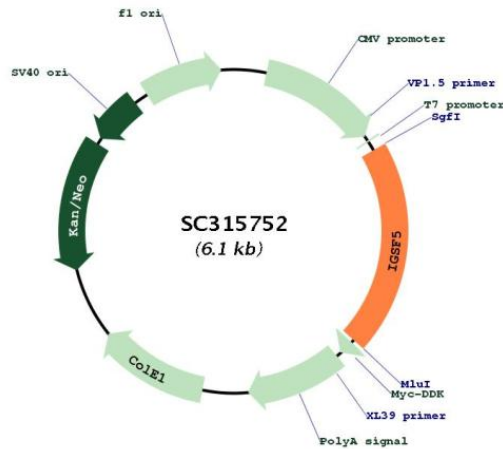
Product Type:	Expression Plasmids
Product Name:	IGSF5 (NM_001080444) Human Untagged Clone
Tag:	Tag Free
Symbol:	IGSF5
Synonyms:	GSF5; JAM4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC315752 representing NM_001080444. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGGTGAGAAGGAAAGGAGCACAGCAGATACTCTGCCGGATCTGGAGGAATGGAAGTCAGCGCCGGGT
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CAAGTTATGGGAGAGCTGTTTATCCAGTGTTAATCTTGTAGTCGCTGAGAATGAACCTTGTGAAGTT
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TCTTTAATCTGGCCAGTCTGAGAAGTCAAGTAACTGTAAGTAGTAG
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TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: Sgfl-Mlul



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Plasmid Map:


ACCN: NM_001080444

Insert Size: 1224 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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_001080444.1](#)

RefSeq Size: 2066 bp

RefSeq ORF: 1224 bp

Locus ID: 150084

UniProt ID: [Q9NSI5](#)

Cytogenetics: 21q22.2

Protein Pathways:	Epithelial cell signaling in Helicobacter pylori infection, Tight junction
MW:	44.6 kDa
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]