

Product datasheet for **RC220382**

IGSF1 (NM_205833) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: IGSF1 (NM_205833) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: IGSF1
Synonyms: CHTE; IGCD1; IGDC1; INHBP; p120; PGSF2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC220382 representing NM_205833
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGACCCTGGACAGACCAGGGGAGGGGCCACCATGCTGAAGACATTCCTGTTTTGCTCTTTGCATTC
 GGATGAGTCTGGGTATGACATCGATAGTGATGGACCTCAACCGGAGTTGTGGATAGAGTCCAACCTACCC
 CCAGGCCCTTGGGAGAACATCACGCTTGGTGCCGAAGCCCTCTCGGATATCAAGCAAGTTCTGCTG
 CTGAAGGATAAGACACAGATGACCTGGATCCGCCCTCCACAAGACCTCCAAGTTTCATTCTTATAG
 GTGCCCTTACTGAGTCCAATGCAGGTCTTACCAGGTGCTGCTACTGGAAGGAGACAGGCTGGTCAAAGCC
 CAGTAAAGTTCTAGAGTTGGAGGCACCAGGCCAACTGCCAAGCCATCTTCTGGATTCAGGCTGAGACC
 CCCGCTCTTCTGGGTGTAATGTAAACATCCTCTGCCATGGCTGGCTGCAGGATTTGGTATTCATGCTGT
 TAAAGAGGGATATGCAGAGCCTGTGGATTACCAAGTCCCAACTGGGACAATGGCCATATTCTCCATTGA
 CAACCTGACACCTGAGGATGAAGGGTTTACATCTGCCGCACTCATATCCAGATGCTCCCCACCCTGTGG
 TCAGAGCCAGCAACCCCTGAAGCTGGTTGTAGCAGGTGGGTGTGGCTATGGCTGCTGGCATCTGGCAA
 TTGTTGTCCAGGTATCATGGCTGGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC220382 representing NM_205833
Red=Cloning site Green=Tags(s)

MTLDRPGEATMLKFTTVLLFCIRMSLGMTSIVMDPQPELWIESNYPQAPWENITLWCRSPSRISSEKFL
 LKDKTQMTWIRPSHKTFQVSFLIGALTESNAGLYRCCYWKETGWSKPSKVLELEAPGQLPKPIFWIQAET
 PALPGCNVNILCHGWLQDLVFMFLKEGYAEPVDYQVPTGTMAIFSIDNLTPEDGVYICRTHIQMLPTLW
 SEPSNPLKLVVAGGCGYGCWHLAIVVPGIMAG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_205833

ORF Size: 726 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_205833.3](#), [NP_991402.1](#)

RefSeq Size: 1963 bp

RefSeq ORF: 729 bp

Locus ID: 3547

UniProt ID: [Q8N6C5](#)

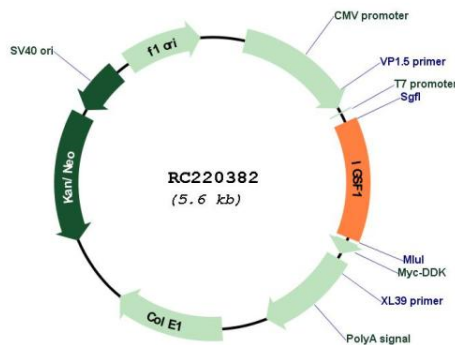
Cytogenetics: Xq26.1

Protein Families: Transmembrane

MW: 27.2 kDa

Gene Summary: This gene encodes a member of the immunoglobulin-like domain-containing superfamily. Proteins in this superfamily contain varying numbers of immunoglobulin-like domains and are thought to participate in the regulation of interactions between cells. Multiple transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Jan 2010]

Product images:



Circular map for RC220382