

## Product datasheet for **RC229752**

### IGSF1 (NM\_001170963) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** IGSF1 (NM\_001170963) 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:** >RC229752 representing NM\_001170963  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGACCCTGGACAGACCAGGGGAGGGGCCACCATGCTGAAGACATTCCTGTTTTGCTCTTTGCATTC  
GGATGAGTCTGGGTATGACATCGATAGTGATGGACCTCAACCGGAGTTGTGGATAGAGTCCAACCTACCC  
CCAGGCCCTTGGGAGAACATCACGCTTGGTGCCGAGCCCTCTCGGATATCAAGCAAGTTCTGCTG  
CTGAAGGATAAGACACAGATGACCTGGATCCGCCCTCCACAAGACCTCCAAGTTTCATTCTTATAG  
GTGCCCTTACTGAGTCCAATGCAGGTCTTACCAGTGCTGCTACTGGAAGGAGACAGGCTGGTCAAAGCC  
CAGTAAAGTTCTAGAGTTGGAGGCACCAGGCCAACTGCCAAGCCATCTTCTGGATTCAGGCTGAGACC  
CCCGCTCTTCTGGGTGAATGTTAACATCCTCTGCCATGGCTGGCTGCAGGATTTGGTATTCATGCTGT  
TTAAAGAGGGATATGCAGAGCCTGTGGATTACCAAGTCCCAACTGGGACAATGGCCATATTCTCCATTGA  
CAACCTGACACCTGAGGATGAAGGGTTTACATCTGCCGCACTCATATCCAGATGCTCCCCACCCTGTGG  
TCAGAGCCAGCAACCCCTGAAGCTGGTTGTAGCAGGTGGGTGTGGCTATGGCTGCTGGCATCTGGCAA  
TTGTTGTCCAGGTATCATGGCTGGC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC229752 representing NM\_001170963  
Red=Cloning site Green=Tags(s)

MTLDRPGEGATMLKFTTVLLFCIRMSLGMTSIVMDPQPELWIESNYPQAPWENITLWCRSPSRISSEKFL  
 LKDKTQMTWIRPSHKTFQVSFLIGALTESNAGLYRCCYWKETGWSKPSKVLELEAPGQLPKPIFWIQAET  
 PALPGCNVNLCHGWLQDLVFMFLKEGYAEPVDYQVPTGTMAIFSIDNLTPEDEGVYICRTHIQMLPTLW  
 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\_001170963

**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\\_001170963.1](#), [NP\\_001164434.1](#)

**RefSeq ORF:** 729 bp

**Locus ID:** 3547

**UniProt ID:** [Q8N6C5](#)

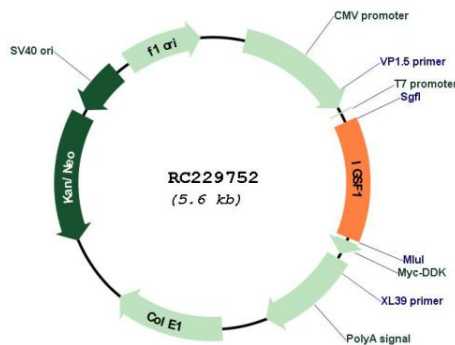
**Cytogenetics:** Xq26.1

**Protein Families:** Transmembrane

**MW:** 27.7 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 RC229752