

## Product datasheet for **RG209621**

### IGSF1 (NM\_001555) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	IGSF1 (NM_001555) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	IGSF1
Synonyms:	CHTE; IGCD1; IGDC1; INHBP; p120; PGSF2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG209621 representing NM_001555 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGACCCTGGACAGACCAGGGGAGGGGCCACCATGCTGAAGACATTCAGTGTCTTTGCTCTTTGCATTC  
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CTGAAGGATAAGACACAGATGACCTGGATCCGCCCTTCCCACAAGACCTCCAAGTTTCATTCTTATAG  
GTGCCCTTACTGAGTCCAATGCAGGTCTTACCCTGGTCTACTGGAAGGAGACAGGCTGGTCAAAGCC  
CAGTAAAGTTCTAGAGTTGGAGGCACCAGGCCAACTGCCAAGCCCATCTCTGGATTCAGGCTGAGACC  
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CATCCTAACATCTGGTCACATCGCAGTGAGCCCCTGAAGCTGATGGGGCCAGCAGGCTATCTCACCTGGA  
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GTGTAACCAAGAAGGAGAACCAGGCACCCTGCCAATTCTCTTCATCAACCTCTCAGAGAATCTCTGTG  
GAAGTCCCGTTCCAATA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

**Protein Sequence:** >RG209621 representing NM\_001555  
 Red=Cloning site Green=Tags(s)

MTLDRPGEGATMLKFTTVLLFCIRMSLGMTSIVMDPQPELWIESNYPQAPWENITLWCRSPSRISSEKFL  
 LKDKTQMTWIRPSHKTFQVSFLIGALTESNAGLYRCCYWKETGWSKPSKVLELEAPGQLPKPIFWIQAET  
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 AHVPLQFRSVSGNSADFLHTVGAEDSGNYSYIYETTMNSRGSYLSMPLMIWVTDTFPKPWLFAEPSSV  
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 MPAVRGEDSGIYSCVYYLDSTPFAASNHSLSLEIWWTDKPPKPSLAWPSTMFKLKGDITLQCRGPLPGV  
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 ELPVPI

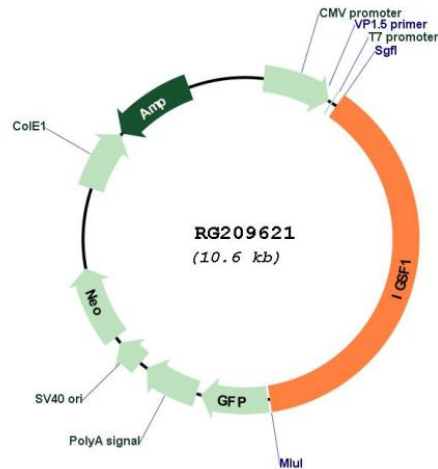
TRTRPLE - GFP Tag - V

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**


**ACCN:** NM\_001555

**ORF Size:** 4008 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\\_001555.2](#), [NP\\_001546.2](#)

**RefSeq Size:** 4492 bp

**RefSeq ORF:** 4011 bp

**Locus ID:** 3547

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

**Cytogenetics:** Xq26.1

**Protein Families:** Transmembrane

**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]