

## Product datasheet for **RC220966**

### IGSF3 (NM\_001542) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** IGSF3 (NM\_001542) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** IGSF3  
**Synonyms:** EWI-3; LCDD; V8  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RC220966 representing NM\_001542  
**Red=Cloning site Blue=ORF Green=Tags(s)**

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GCC**CGATCGCC**

ATGAAGTGCTTTTTCCCGGTGCTGAGCTGTCTGGCTGTGCTGGGTGTGGTGTGTCAGCACAGCGGCAGGTCA  
CCGTTCCAGGAAGGACCCCTGTACCGCACGGAGGGCTCCACATCACTATCTGGTGAATGTGAGTGGCTA  
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TCATAGAAAGAGTCCAGGGGAATCAACCTATTGCACATCACAGATCTTCAGGCCCGGGATGCCGGGA  
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AGTTGGCGAGAAGCCCGTGGAGGTCACTCCCTGAGCCGAGATTCATGCTTCACTCCAGCAGCGAATAT  
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TCAGCCTGGGCATCTTCAACAGCAGGAAGGAGGACGAGGGCCAGTATGAATGCCATGTGACTGAATGGT  
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
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Protein Sequence: >RC220966 representing NM\_001542  
 Red=Cloning site Green=Tags(s)

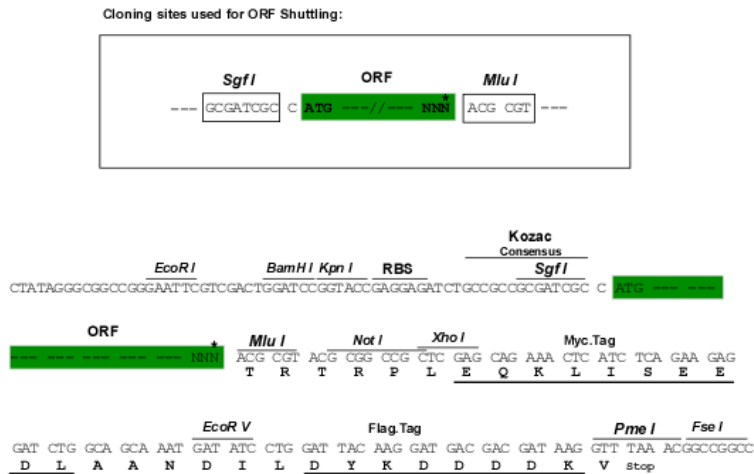
MKCFPPVLSCLAVLGVVSAQRQVTVQEGPLYRTEGSHITIWCVNSGYQGPSEQNFQWSIYLPSSPEREVQ  
 IVSTMDSSFYAIYTRVRGGKIFIERVQGNSTLLHITDLQARDAGEYECHTPSTDKQYFGSYSAKMNLV  
 VIPDSLQTTAMPQTLHRVEQDPLELTCEVASETIQHSLSVAWLRQKVGEKPEVEISLSRDFMLHSSEY  
 AQRQSLGEVRLDKLGRITFRLLTIFHLQPSDQGEFYCEAAEWIQDPDGSWYAMTRKRSEGA VVNVQPTDKE  
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 LLSQGHLESSISVEASNASVILEGEDLRFSCSVRTAGRPQGRFSVIWQLVDRQNRNSIMWLD RDGTVQ  
 PGSSYWERSFFGGVQMEQVQPNFSLGIFNSRKEDEGQYECVTEWVRAVDGEWQIVGERRASTPISITA  
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 QVSKSKRTLTLVENKPIQLNCSVKSQTSQNSHFAVLWYVHKPSDADGKILKTTTHNSAFEYGTAAEEGL  
 RARLQFERHVSGLFLSLTVQRAEVS DSGSYCHVEEWLLSPNYAWYKL AEEVSGRTEVTVKQPD SRLRLS  
 QAQGNLSVLETRQVQLECVLNRITSITSLMVEWVVKPNHPERETVARLSRDATFHYGEQAAKNNLKGR  
 LHLESPPGVYRLF IQNVAVQDSGTYSCHVEEWLPSPSGMWYKRAEDTAGQTAL TVMRPDASLQVDTVVP  
 NATVSEKA AFQLDCSIVSRSSQDSRF AVAWYSLRTKAGGRSSPGL EEQEEEEEEEEEDDDDDDDPTE R  
 TALLSVGPDAVFGPEGSPWEGRLRFQRLSPVL YRLTVLQASPQDTGNYSCHVEEWLPS PQKEWYRLTEEE  
 SAPIGIRVLDTSPTLQSIICSNDALFYVFFYPFPIFGIL IITILLVRFKSRNSSKNSDGKNGVPLLWIK  
 EPHLNYSPTCLEPPVLSIHPGAID

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

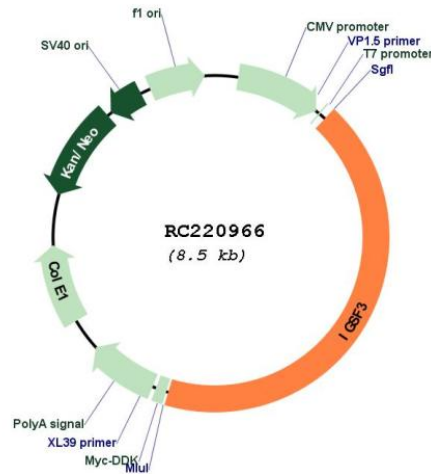
Sgfl-MluI

Cloning Scheme:



\* The last codon before the Stop codon of the ORF

## Plasmid Map:



ACCN: NM\_001542

ORF Size: 3642 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\\_001542.4](#)

RefSeq Size: 7253 bp

RefSeq ORF: 3645 bp

Locus ID: 3321

UniProt ID: [O75054](#)

Cytogenetics: 1p13.1

<b>Domains:</b>	ig, IGv, IG
<b>Protein Families:</b>	Transmembrane
<b>MW:</b>	137.3 kDa
<b>Gene Summary:</b>	The protein encoded by this gene is an immunoglobulin-like membrane protein containing several V-type Ig-like domains. A mutation in this gene has been associated with bilateral nasolacrimal duct obstruction (LCDD). [provided by RefSeq, Jun 2016]