

## Product datasheet for **RG205550**

### ITPRID2 (NM\_006751) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** ITPRID2 (NM\_006751) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** ITPRID2  
**Synonyms:** CS-1; CS1; KRAP; SPAG13; SSFA2  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG205550 representing NM\_006751  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGACCGGCCCTGTCGTGTCGGCGGAGGCGGAGGAGGAACTGGAGTGGCAAGTGGCGAGTCGCAGGA  
 GGAAGGCTGGGCAAGTGCCGCAGCTCCTGGCAAGCGTCGGAGACGGAGGATCTGTCCACAGAAGCGAC  
 GACGCAGGACGAGGAGGAGGACGAGGAGGAGGACCTCCCCGGCGCGCAGCTGCCCGCAGCGGGGGAAGA  
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ACGAAGTCGAAAAGAGATCATCTGTTACGTACTGCAAGTCAGCATTCCGATAGCAGTGGTTTTGCTGAAG  
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TCCAGGGTTTGAGAAATTCAGTCCGAATGGAATTCAGGACCTGGAAGTGCAGCTGGAGGAGCGCCTGCT  
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ATTATCAATGATATGCACTGGTGGAGGTGTTATTTGTGCTTTAGAAGATACTTGTCTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG205550 representing NM\_006751  
 Red=Cloning site Green=Tags(s)

MDRPLSSSAEAEELWQVARRRKAWAKCRSSWQASETEDLSTEATTQDEEEDEEEDLPGAQLPAAGGR  
 GNPVNEKIAIWLKDCRTPLGASLDEQSSSTLKGVLVRNGGSFEDDLSLGAEANHLHESDAQIENCNNILA  
 KERRLQFHQKGRSMNSTGSGKSSGTVSSVSELLELYEEDPEEILYNLGFGRDEPDIAKIPSRFFNSSSF  
 AKGIDIKVFLSAQMQRMEVENPNYALTSRFRQIEVLTTVANAFSSLYSQVSGTPLQRIGSMSSVTSNKET  
 DPPPPLTRSNTANRLMKTL SKLNL CVDKTEKGESSSPSAEKGKILNVSVIEESGNKNDQKSQKIMKKK  
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 AETVELLREASAEVDGKSESEFTQYTHHILKSLASIEAKCDMSSENTTGPSSMDRVNTALQRAQM  
 KVCSLSNQRMGRSLLKSKDLLKQRYLFAKAGYPLRRSQSLPTLLSPVRVSSVNVRLSPGKETRCSPPS  
 FTYKYTPEEEQELEKRVMEHDGQSLVKSTIFISPSSVKKEEAPQSEAPRVEECHHGRTPTCSRLAPPMS  
 QSTCSLHSIHSEWQERPLCEHRTLSTHVPNISGATCSAFASPFGCPYSHRHATYPYRVCVNPSPAIE  
 MQLRRVLHDIRNSLQNL SQYPMRGPDPAAAPYSTQKSSVLPLEYENTFQELQVMRRSLNLFRTQMMDLLE  
 AMLRQQTVMVHHMTEERFEVDQLQGLRNSVRMELQDLELQLEERLLGLEEQLRVMPSPFRSSALMGM  
 CGRSADNLSCPSPNVMEPVTELMQEYSYLKSELGLGLGEMGFEIPPGESSESVFSQATSESSVCSGP  
 SHANRRTGVPSTASVGSKTPLVARKKVFRAVALTPTAPSRTGSVQTPPDLESSEEVDAAEGAPEVVG  
 KSEVEEGHGLPSMPAAEEMHNVEQDELQVIREVGMDFISCVILELSMICTGGGVICALDITCC

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM\_006751

ORF Size: 3768 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\\_006751.4](#), [NP\\_006742.2](#)

**RefSeq Size:** 4978 bp

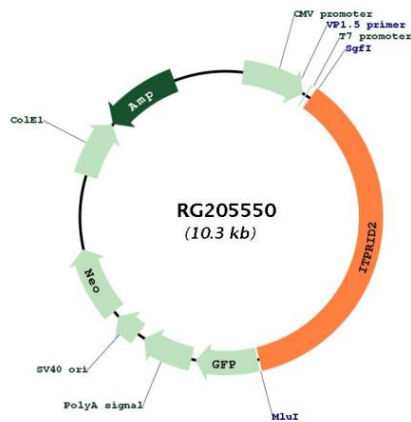
**RefSeq ORF:** 3771 bp

**Locus ID:** 6744

**UniProt ID:** [P28290](#)

**Cytogenetics:** 2q31.3

**Product images:**



Circular map for RG205550