

Product datasheet for **RG218288**

C5ORF44 (TRAPPC13) (NM_001093756) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C5ORF44 (TRAPPC13) (NM_001093756) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	C5ORF44
Synonyms:	C5orf44; SHLD3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG218288 representing NM_001093756 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGGAAGTGAATCCCCCTAACAGGAGCACCTGCTGGCGCTAAAAGTGATGCGGCTGACTAAGCCTACTT
TATTCACCAATATCCAGTAACATGTGAAGAGAAAGACTTACCTGGAGATCTCTTTAACCAGCTGATGAG
AGATGATCCTTCAACCGTTAATGGTGCAGAAGTTTAAATGTTGGGAGAAATGCTGACTTTACCACAGAAT
TTTGGGAATATATTTTGGGAGAGACCTTTCCAGTTATATCAGCGTTCATAATGATAGCAATCAAGTTG
TAAAAGACATATTAGTAAAAGCTGATCTTCAGACAAGTTCTCAGCGTTTAAATCTTTCAGCCTCCAATGC
TGCACTGGCTGAACTTAAACCGGATTGTTGTATTGATGATGTCATACATCATGAAGTCAAAGAAATTGGA
ACACACATCTTGGTATGTGCTGTGAGTTATACTCACTCAGGCTGGAGAAAAATGTATTTAGAAAAATTTCT
TCAAAATTCAGGTTCTCAAACCATTTGGATGTGAAAACCAATTTTACAATGCAGAGACTGATGAAGTATT
TCTGGAAGCCAGATTCAGAATATGACAACCTCACCTATGTTTATGGAGAAGGTTTCACTGGAGCCATCT
ATTATGTACAATGTAAACAGAATTAATTCAGTCAGCCAAGCTGGAGAATGTGTGTCTACGTTTGGGTCAA
GAGCATATTTGCAACCAATGGATACACGCCAGTACTTATACTGCCTAAAGCCAAAGAATGAATTTGCAGA
AAAAGCAGGCATCATTAAAGGGAGTAACAGTAATTGGAAAATTGGATATAGTATGGAAAACAAATCTAGGT
GAAAGGGGAAGGTTACAGACCAGCCAACCTCAAAGAATGGCTCCAGGTTATGGAGATGTTAGGTTGTCTT
TGGAGGCAATACCAGATACCGTAAACCTTGAAGAACCTTTTCATATTACCTGTAAAATAACAACTGCAG
TGAAAGGACTATGGATCTGGTTTTGAAAATGTGAATACCAATCCATCCACTGGTGTGGAATTTACAGGA
AGACAGCTGGGAAAGCTGCATCCAAGTTCTTCGCTCTGTCTTGCCTTACTCTGCTTTCTTCAGTACAGG
GACTGCAAAGCATCTCTGGCTTAAGACTAACAGACACATTCTTAAAGAGAACATATGAATATGATGACAT
CGCACAGTCTGTGTGGTATCTTCTGCCATTAAAGTGAAAGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG218288 representing NM_001093756
 Red=Cloning site Green=Tags(s)

MEVNPPKQEHLALKVMRLTKPTLFTNIPVTCEEKDLPGDLFNQLMRDDPSTVNGAEVLMGEMLTLPQN
 FGNIFLGETFSSYISVHNSNQVVKDILVKADLQTSSQRLNLSASNAVAELKPCCIDDVIHHEVKEIG
 THILVCAVSYTTQAGEKMYFRKFFKFQVLKPLDVKTKFYNAETDEVFLEAQIQNMTTSPMFMEKVSLEPS
 IMYNVTELSVSQAGECVSTFGSRAYLQPMQTRQYLCLKPKNEFAEKAGIIGVTVIGKLDIVWKTNLG
 ERGRLQTSQLQRMAGPYGDVRLSLEAIPDTVNLEEPFHITCKITNCERTMDLVLEMCNTNSIHWCGISG
 RQLGKLHPSSSLCLALTLLSSVQGLQSIGRLRLTDTFLKRTYEYDDIAQVCVSSAIKVES

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001093756

ORF Size: 1233 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_001093756.1](#), [NP_001087225.1](#)

RefSeq Size: 3099 bp

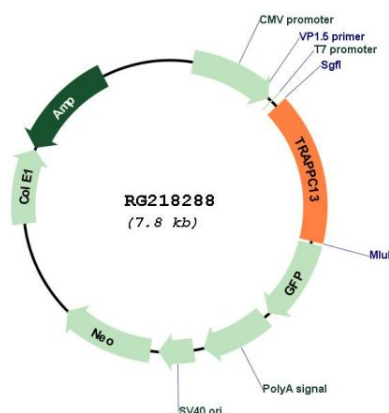
RefSeq ORF: 1236 bp

Locus ID: 80006

UniProt ID: [A5PLN9](#)

Cytogenetics: 5q12.3

Product images:



Circular map for RG218288