

Product datasheet for **RG205530**

C13ORF28 (SPACA7) (NM_145248) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: C13ORF28 (SPACA7) (NM_145248) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: C13ORF28
Synonyms: C13orf28
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG205530 representing NM_145248
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAGTGAGCCAAGGAGACGGGACCCTCTGCTTTGTCCTCCTGCTGTGCTGTTGGCAAGAACTGAGC
TCCGGCCGAGAACCGTGATTCCAGGTTACCTACTGAAATACCATTTCAGTTCAAACAGGAGGATATGTC
TGAATTATTAGATGAAATCTGGTCCAGGAGATTTGGATCTGAATAAAACAACCCGAGCGAAATGCCA
AGTACAGCATCAACATTATCAACACCGTTACATGCTGGTATTGATGAGAATTATCAAGCTGGTGGTCTG
AGAATTACCATGAATTATTAGAGAATTTACAATCTCTCCTGGCATTGAGGACAAAATTTCCAATGATGA
AGCCAATGCTAATGCAAATCTCCATGGCGATCCTTCTGAGAATTATCGTGGGCCACAGGTGTCTCCTGGC
AGTGAGAAGAGTGTTCAGTAAAGAAAAGAAATCAAAGAACAACCTCAGTATGAAAATCTATCCATTCTGG
ACCAAATCCTTCAAATATTGGAAGATCTTCAGGAAACATTTTCCATAAAGAGCAGCAGAGGACCAGCGC
ACAGAGGAGGACCAAGGCAGTCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG205530 representing NM_145248
Red=Cloning site Green=Tags(s)

MAVSQGDGTLCFVLLCCWQETELRPRTVIPGSPTEIPFSSKQEDMSELLDEILVQEILDNLKTTPEMP
STATLSTPLHAGIDENYQAGGSENYHELLENLQFSPGIEDKISNDEANANLHGDPSENYRGPQVSPG
SEKSVSSKEKNSKNTQYENLSILDQILQNIQRSSGNIHFHKEQQRRTSAQRSSQGSQ

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_145248

ORF Size: 585 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_145248.3](#)

RefSeq Size: 774 bp

RefSeq ORF: 588 bp

Locus ID: 122258

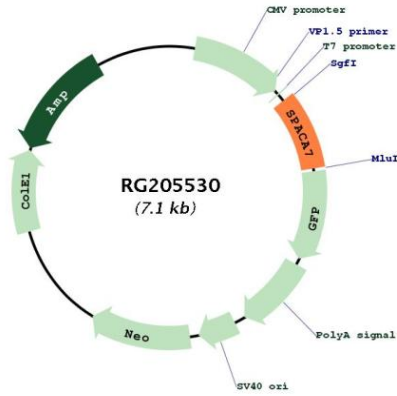
UniProt ID: [Q96KW9](#)

Cytogenetics: 13q34

Protein Families: Secreted Protein

Gene Summary: Involved in fertilization. Seems not to play a direct role in sperm-egg binding or gamete fusion.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG205530