

Product datasheet for **RG200558**

TUSC2 (NM_007275) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: TUSC2 (NM_007275) Human Tagged ORF Clone
 Tag: TurboGFP
 Symbol: TUSC2
 Synonyms: C3orf11; FUS1; PAP; PDAP2
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-AC-GFP (PS100010)
 E. coli Selection: Ampicillin (100 ug/mL)
 ORF Nucleotide Sequence: >RG200558 representing NM_007275
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGGGCGCCAGCGGGTCCAAAGCTCGGGGCCTGTGGCCCTTCGCCTCGGCGGCCGAGGCGGCGGCTCAG
 AGGCAGCAGGAGCTGAGCAAGCTTTGGTGC GGCCGAGCTGTGCCCCCTTCGTATTCACGCG
 CCGCGGCTCTATGTTCTATGATGAGGATGGGGATCTGGCTCACGAGTTCTATGAGGAGACAATCGTCACC
 AAGAACGGGCAGAAGCGGGCCAAGCTGAGGCGAGTGCATAAGAATCTGATTCCTCAGGGCATCGTAAGC
 TGGATCACCCCGCATCCACGTGGATTCCCTGTGATCCTCTATGAGGTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG200558 representing NM_007275
 Red=Cloning site Green=Tags(s)

MGASGSKARGLWPFASAAGGGGSEAAGAEQALVRPRGRAVPPFVFTRRGSMFYDEDGDLAHEFYEETIVT
 KNGQKRAKLRRVHKNLIPQIGIVKLDHPRIHVDFPVILYEV

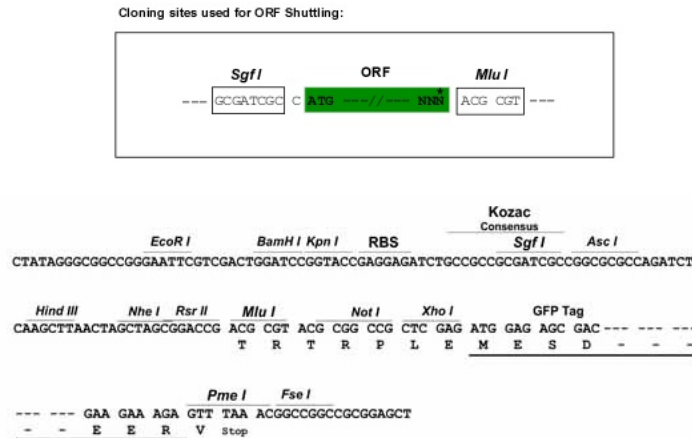
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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Cloning Scheme:



ACCN: NM_007275

ORF Size: 330 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:

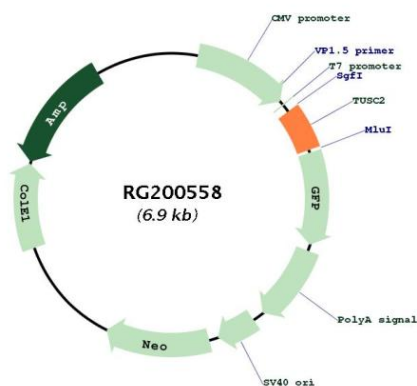
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_007275.2](#)

| | |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| RefSeq Size: | 1691 bp |
| RefSeq ORF: | 333 bp |
| Locus ID: | 11334 |
| UniProt ID: | <u>O75896</u> |
| Cytogenetics: | 3p21.31 |
| Protein Families: | Druggable Genome |
| Gene Summary: | This gene is a highly conserved lung cancer candidate gene. No other information about this gene is currently available. [provided by RefSeq, Jul 2008] |

Product images:



Circular map for RG200558