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# Product datasheet for RG206510

## TSG6 (TNFAIP6) (NM_007115) Human Tagged ORF Clone

### Product data:

| | |
|---|---|
| **Product Type:** | Expression Plasmids |
| **Product Name:** | TSG6 (TNFAIP6) (NM_007115) Human Tagged ORF Clone |
| **Tag:** | TurboGFP |
| **Symbol:** | TSG6 |
| **Synonyms:** | TSG-6; TSG6 |
| **Mammalian Cell Selection:** | Neomycin |
| **Vector:** | pCMV6-AC-GFP (PS100010) |
| **E. coli Selection:** | Ampicillin (100 ug/mL) |

**ORF Nucleotide Sequence:**

>RG206510 representing NM_007115
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGATCATCTTAATTTACTTATTTCTCTTGCTATGGGAAGACACTCAAGGATGGGGATTCAAGGATGGAA
TTTTTCATAACTCCATATGGCTTGAACGAGCAGCCGGTGTGTACCACAGAGAAGCACGGTCTGGCAAATA
CAAGCTCACCTACGCAGAAGCTAAGGCGGTGTGTGAATTTGAAGGCGGCCATCTCGCAACTTACAAGCAG
CTAGAGGCAGCCAGAAAAATTGGATTTCATGTCTGTGCTGCTGGATGGATGGCTAAGGGCAGAGTTGGAT
ACCCCATTGTGAAGCCAGGGCCCAACTGTGGATTTGGAAAAACTGGCATTATTGATTATGGAATCCGTCT
CAATAGGAGTGAAAGATGGGATGCCTATTGCTACAACCCACACGCAAAGGAGTGTGGTGGCGTCTTTACA
GATCCAAAGCAAATTTTTAAATCTCCAGGCTTCCCAAATGAGTACGAAGATAACCAAATCTGCTACTGGC
ACATTAGACTCAAGTATGGTCAGCGTATTCACCTGAGTTTTTTAGATTTTGACCTTGAAGATGACCCAGG
TTGCTTGGCTGATTATGTTGAAATATATGACAGTTACGATGATGTCCATGGCTTTGTGGGAAGATACTGT
GGAGATGAGCTTCCAGATGACATCATCAGTACAGGAAATGTCATGACCTTGAAGTTTCTAAGTGATGCTT
CAGTGACAGCTGGAGGTTTCCAAATCAAATATGTTGCAATGGATCCTGTATCCAAATCCAGTCAAGGAAA
AAATACAAGTACTACTTCTACTGGAAATAAAAACTTTTTAGCTGGAAGATTTAGCCACTTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

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**Protein Sequence:**

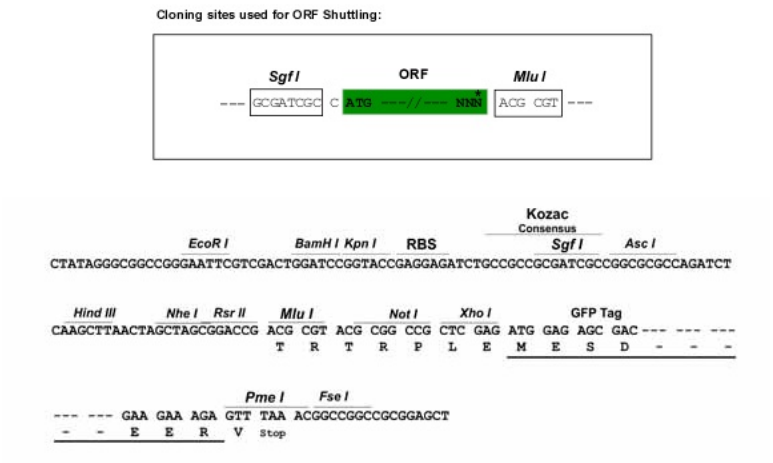
>RG206510 representing NM_007115
Red=Cloning site Green=Tags(s)

MIILIYLFLLLWEDTQGWGFKDGIFHNSIWLERAAGVYHREARSGKYKLTYAEAKAVCEFEGGHLATYKQ
LEAARKIGFHVCAAGWMAKGRVGYPIVKPGPNCGFGKTGIIDYGIRLNRSERWDAYCYNPHAKECGGVFT
DPKQIFKSPGFPNEYEDNQICYWHIRLKYGQRIHLSFLDFDLEDDPGCLADYVEIYDSYDDVHGFVGRYC
GDELPDDIISTGNVMTLKFLSDASVTAGGFQIKYVAMDPVSKSSQGKNTSTTSTGNKNFLAGRFSHL

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**




**ACCN:** NM_007115

**ORF Size:** 831 bp

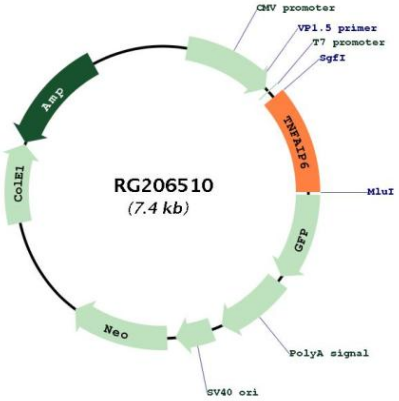
**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone 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.<br>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.<br>3. Close the tube and incubate for 10 minutes at room temperature.<br>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.<br>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_007115.4 |
| **RefSeq Size:** | 1440 bp |
| **RefSeq ORF:** | 834 bp |
| **Locus ID:** | 7130 |
| **UniProt ID:** | P98066 |
| **Cytogenetics:** | 2q23.3 |
| **Protein Families:** | Druggable Genome |
| **Gene Summary:** | The protein encoded by this gene is a secretory protein that contains a hyaluronan-binding domain, and thus is a member of the hyaluronan-binding protein family. The hyaluronan-binding domain is known to be involved in extracellular matrix stability and cell migration. This protein has been shown to form a stable complex with inter-alpha-inhibitor (I alpha I), and thus enhance the serine protease inhibitory activity of I alpha I, which is important in the protease network associated with inflammation. This gene can be induced by proinflammatory cytokines such as tumor necrosis factor alpha and interleukin-1. Enhanced levels of this protein are found in the synovial fluid of patients with osteoarthritis and rheumatoid arthritis.[provided by RefSeq, Dec 2010] |

## Product images:




Circular map for RG206510