

## Product datasheet for **RG208598**

### **POU6F1 (NM\_002702) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** POU6F1 (NM\_002702) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** POU6F1  
**Synonyms:** BRN5; MPOU; TCFB1  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG208598 representing NM\_002702  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCCAGGGATCAGCAGTCAGATCCTCACCAATGCTCAGGGACAGGTTATTGGAACCCCTCCATGGGTAG  
TGAATCAGCTAGTGTGGCGGCCCCAGCACCAGCCAAAGCCTGCAGGTCCAGGCCGTGACCCCCAGCT  
GTTGTTGAACGCCAGGGCCAGGTGATTGCGACCCTGGCTAGCAGCCCCCTGCCTCCACCTGTGGCTGTC  
CGAAGCCAAGCACACCTGAGTCCCCTGCTAAGAGTGAGGTGCAGCCCATCCAGCCACACCAACCGTGC  
CCCAGCCTGCTGTGGTCATTGCCAGCCAGCTCCAGCCGCAAGCCATCTGCCTCTGCTCCTATCCCAAT  
TACCTGCTCAGAGACCCACCGTCAGCCAGTTGGTGTCCAAGCCACATACTCCAAGTCTGGATGAGGAT  
GGGATCAACTTAGAAGAGATCCGGGAGTTTGCCAAGAACTTTAAGATCCGGCGGCTCTCGCTGGGCCTTA  
CACAGACCCAGGTGGGTGAGGCTCTGACTGCAACGGAAGTCCAGCCTACAGCCAGTCAGCCATCTGCCG  
GTTGAGAAGCTAGACATCACACCAAGAGTGCCAGAAGCTAAAGCCGGTGTGGAAAAGTGGCTAAAC  
GAAGCTGAATGCGGAACCAGGAAGGCCAGCAGAACCTGATGGAGTTTGTGGGAGGCGAGCCCTCCAAGA  
AACGCAAACGCCGCACCTCCTTCACCCCCAGGCCATAGAGGCTCTCAATGCCTATTTGAGAAGAACC  
ACTGCCACAGGCCAGGAGATCACTGAAATTGCTAAGGAGCTCACTACGACCGTGAGGTAGTCGGGTC  
TGTTCTGCAATCGGCGCCAGACGCTCAAGAACCAGCAAGCTGAACGCTTTTCAGATCCCT

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA



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**Protein Sequence:** >RG208598 representing NM\_002702  
Red=Cloning site Green=Tags(s)

MPGISSQILTNAQGQVIGTLPWVNSASVAAPAPAQSLQVAVTPQLLLNAQGQVIATLASSPLPPPVAV  
 RKPSTPESPAKSEVQPIQPTPTVPQPAVVIASPAPAAKPSASAPITCSETPTVSQLVSKPHTPSLDED  
 GINLEEIREFAKNFKIRRLSLGLTQTQVGQALTATEGPAYSSQAICRFEKLDITPKSAQKLPVLEKWLN  
 EAELRNQEGQQLMEFVGGPEPSKRRKRRTSFTPQAIEALNAYFEKNPLPTGQEITEIAKELNYDREVVVR  
 WFCNRRQTLKNTSKLNVFQIP

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_002702

**ORF Size:** 903 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\\_002702.3](#)

**RefSeq Size:** 2911 bp

**RefSeq ORF:** 906 bp

**Locus ID:** 5463

**UniProt ID:** [Q14863](#)

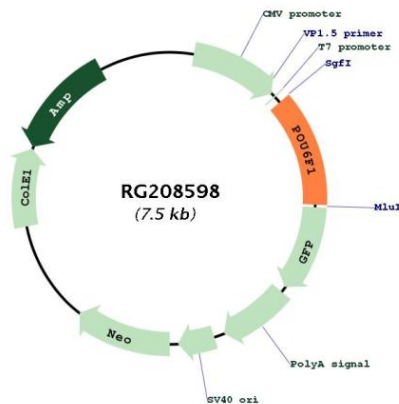
**Cytogenetics:** 12q13.13

**Domains:** POU, homeobox

**Protein Families:** Transcription Factors

**Gene Summary:** Transcription factor that binds preferentially to a variant of the octamer motif (5'-ATGATAAT-3').[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for RG208598