

Product datasheet for **RG211206**

POU4F3 (NM_002700) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: POU4F3 (NM_002700) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: POU4F3
Synonyms: BRN3C; DFNA15; DFNA42; DFNA52
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG211206 representing NM_002700
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATGGCCATGAACTCCAAGCAGCCTTTCGGCATGCACCCGGTGTGCAAGAACCCAAATTCTCCAGTC
TGCACTCTGGCTCCGAGGCTATGCGCCGAGTCTGTCTCCAGCCCCGAGCTGCAGGGTAATATATTTGG
AAGCTTTGATGAGAGCCTGCTGGCACGCGCCGAAGCTCTGGCGCGGTGGATATCGTCTCCACGGCAAG
AACCATCCGTTCAAGCCGACGCCACCTACCATACCATGAGCAGCGTCCCTGCACGTCCACTTCGTCCA
CCGTGCCATCTCCACCCAGCTGCGCTCACCTCACACCTCACACGCGTGCACAGGGCCTCGAAGG
CGACTGCTGGAGCACATCTCGCCACGCTGAGTGTGAGCGGCCTGGGCGCTCCGGAACACTCGGTGATG
CCCGCACAGATCCATCCACACCCTGGGCGCCATGGGCCACCTGCACAGGCCATGGGCATGAGTCACC
CGCACACCGTGGCCCTCATAGCGCCATGCCTGCATGCCTCAGCGACGTGGAGTCAGACCCGCGCGAGCT
GGAAGCCTTCGCGGAGCGCTTCAAGCAGCGGCGCATCAAGCTGGGGGTGACCCAGGCGGACGTGGGCGCG
GCTCTGGTAATCTCAAGATCCCCGCGTGGGCTCGTGAGCCAAAGCACCATCTGCAGGTTGAGTCTC
TCACTCTCTCGACAACAACATGATCGCTCTCAAGCCGGTGTCCAGGCCTGGTTGGAGGAGGCCGAGGC
CGCCTACCGAGAGAAGAAGCAGCAAGCCAGAGCTTTCAACGGCAGCGAACGGAAGCGCAAACGCACGTCC
ATCGCGGCGCCGAGAAGCGTTCACTCGAGGCCATTTTCGCTATCCAGCCACGTCTTCACTGAGAAGA
TCGCGGCATCGCTGAGAACTGGACCTTAAAAAGAACGTGGTGGAGTCTGGTTCTGCAACCAGAGACA
GAAACAGAAACGAATGAAGTATTCGGCTGTCCAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >RG211206 representing NM_002700
Red=Cloning site Green=Tags(s)

MMAMNSKQPFGMHPVLQEPKFSSLHSGSEAMRRVCLPAPLQGNIFGSFDESLLARAEALAAVDIVSHGK
 NHPFKPDATYHTMSSVPCTSTSSVPI SHPAAL TSHPHHAVHQLEGDLLEHISPTLSVSGLGAPEHSVM
 PAQIHPHHLGAMGHLHQAMGMSHPHTVAPHSAMPACLSDVESDPRELEAF AERFKQRRIKLGVTQADVGA
 ALANLKIPGVGSLSQSTICRFESLTL SHNMIALKPVLQAWLEEAAYREKNSKPELFNGSERKRRKRTS
 IAAPEKRSLEAYFAIQPRPSSEKIAAIAEKLDLKKNVVRVWF CNQRQKQKRMKYSAVH

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_002700

ORF Size: 1014 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_002700.1](#), [NP_002691.1](#)

RefSeq Size: 1017 bp

RefSeq ORF: 1017 bp

Locus ID: 5459

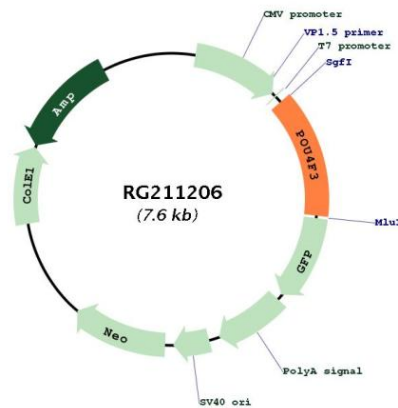
UniProt ID: [Q15319](#)

Cytogenetics: 5q32

Protein Families: Transcription Factors

Gene Summary: This gene encodes a member of the POU-domain family of transcription factors. POU-domain proteins have been observed to play important roles in control of cell identity in several systems. This protein is found in the retina and may play a role in determining or maintaining the identities of a small subset of visual system neurons. Defects in this gene are the cause of non-syndromic sensorineural deafness autosomal dominant type 15. [provided by RefSeq, Mar 2009]

Product images:



Circular map for RG211206