

Product datasheet for **RG213792**

FOXD4 (NM_207305) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FOXD4 (NM_207305) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FOXD4
Synonyms:	FKHL9; FOXD4A; FREAC-5; FREAC5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG213792 representing NM_207305 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGCTGCAAGAGCTGAGCGCCTTCGCTCCACACCGCAGCGCAGCCTCCGGGACTCCGATGGGGAAG
ACGGTAAAATCGATGTCCTGGGAGAGGAGGAAGATGAAGACGAGGAGGAGCGCGCAGCCAGCAGTTCCT
AGAGCAGTCGCTCCAGCCGGGGTGCAGGTGGCCCGTGGGGCGGGTTCGCTTCCCGAGAGCACATC
GAGGGCGGGCGGCCGAGCGACCCCTCAGAGTTTGGCACCGAGTTCAGGGCACCGCAAGGTCTGCGG
CGGCTCTGAAGATGCCCGCAGCCGGCAAAGCCCCCTCTCGTACATCGCGCTCATCACCATGGCCAT
CCTGCAAAGCCCCGACAAGCGCCTCACGCTCAGCGGCATCTGCGCTTCATTAGTGACCGCTTCCCTAC
TACCGCCGAAGTTCCTCCGCTGGCAGAACAGCATCCGCCACAACCTCTCGTGAACGACTGCTTCGTCA
AGATCCCCCGGAGCCGGGCCGCCAGGCAAGGGCAACTACTGGAGCCTGGACCCCGCTCCAGGACAT
GTTTCGACAATGGCAGCTTCTCCGGCGTAGGAAGCGTTTCCAGCGCCACCAACCGACCCCGGAGCCAC
CTGCCCAACCCCTTCCCTCTACCTGCTGCACACGCCCGCTGCACAACCCCGCCAGGCCCTCTGCTTG
GGCCCCCTGCCCCGCGCAGCCAGTCCCGGGGGCTACCCCAACACCGGCCCGGGAGACGCCCTTACGC
TCTGCTGACCCGCATCTCTCGTACTACTGCTCTCGGCCCGCCATGCCGGGGCACCGAAGAAA
GCAGAAGGCGCGGACCTGGCGACCCCGCACCCCTCCCGTGTGCAGCCCTCACTGGTCTCAGCCTTG
GGAGGAGGCAAGGGTCTGGCGTCGCCACCGGGAGCGGATGCATCTTTTCAGCATTGAGAGATCATG
CAAGGGGTGAGGGAGCGGGTACAGGGGTGCGCAGAGTTTGTCCCGACCGCGTGGAGCTACTGCCCC
TGCTCCAGCGACCGTCAAGCCTGTCCGACAATTTTGCAGCAACAGCAGCGGCATCAGGAGGAGGACTGCG
CCAACGGCTGCGCTCCCAAGGGCGCGGTGCTGGCGGGCACCTGTCGGCCGCGTCCGCGCTGCTGCG
GTATCAGCGGTGGCAGAGGGCTCTGGGCTGACATCGTGGCCGCCCTTTGGCGGAGAGGGGACCTCA
CCAGTTTTTTTAGTATCGCCACGCCAGTTCCTGGCCGAGTCCCGAGGGCCCTCC

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >RG213792 representing NM_207305
Red=Cloning site Green=Tags(s)

MNL PRAERLRSTPQRSLRSDGEDGKIDVLGEEDEDEEEAASQQFLEQSLQPGLQVARWGGVALPREHI
 EGGGGPSDPSEFGTEFRAPPRSAASEDARQPAKPPSSYIALITMAILQSPHKRLTL SGICAFISDRFPY
 YRRKFFAWQNSIRHNL SLNDCFVKIPREPGRPGKGNYSWLDPASQDMFDNGSFLRRKRFRHQPTPGAH
 LPHFPFLPAHAHALHNPRPGPLL GAPAPPQVPVGAYPNTGPGRRPYALLHPHPPRYLLL SAPAYAGAPKK
 AEGADLATPAPFPCCSPHLVLSLGRRARVWRRHREADASLSALRV SCKGSGERVQGLRRVCP RPRGATAP
 CSSDRQACRTILQQQQRHQEEDCANGCAPTKGAVLGGHLSAASALLRYQAVAEGSGLTSLAAPLGGEGTS
 PVFLVSPTPSSLAESAGPS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_207305

ORF Size: 1317 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_207305.5](#)

RefSeq Size: 2211 bp

RefSeq ORF: 1320 bp

Locus ID: 2298

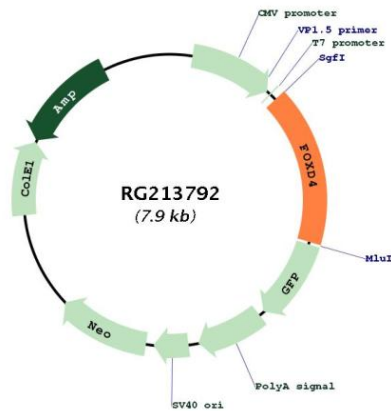
UniProt ID: [Q12950](#)

Cytogenetics: 9p24.3

Protein Families: Transcription Factors

Gene Summary: This gene encodes a member of the forkhead/winged helix-box (FOX) family of transcription factors. FOX transcription factors play critical roles in the regulation of multiple processes including metabolism, cell proliferation and gene expression during ontogenesis. Mutations in this gene are associated with a complex phenotype consisting of dilated cardiomyopathy, obsessive-compulsive disorders, and suicidality. [provided by RefSeq, Mar 2012]

Product images:



Circular map for RG213792