

Product datasheet for **RG234729**

FOXP1 (NM_001244810) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FOXP1 (NM_001244810) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FOXP1
Synonyms:	12CC4; hFKH1B; HSPC215; MFH; QRF1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG234729 representing NM_001244810
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATGCAAGAATCTGGGACTGAGACAAAAAGTAAACGGTTCAGCCATCCAGAATGGGTGGGCGGCAGCA
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 GGAGCTGACCTCGCCACGCCAGCAGCAGCAACAGGCACTTCAGGTGGCAAGACAGCTCCTTCTT
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 AGGTTCCCGTGTGAGTGGCTATGATGACACCTCAAGTTTCACTCCCAAGCAAAATGCAGCAGATCTCCA
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 TGATGAAGAGTTTAAACGTGGCCGCATATTCAACGAGGCGTCTCGCAAATACTGCCCGATGAAAAC
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 AGCAACGAGAGTGACAGCAGTCCAGGCAGATCTCCTATGCAAGCCGTGCATCCTGTACACGTCAAAGAAG
 AGCCCTCGATCCAGAGGAAGCTGAAGGGCCCTGTCTTAGTGACAACAGCCAACCACAGTCCAGATTT
 TGACCATGACAGAGATTACGAAGATGAACCAAGTAAACGAGGACATGGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG234729 representing NM_001244810
 Red=Cloning site Green=Tags(s)

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MMQESGTETKSNQSAIQNGSGGSNHLLECGGLREGRSNGETPAVDIGAADLAHAQQQQQQALQVARQLL
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PSVITTTSMHTVGPIRRYSKYNVPISSADIAQNQEFYKNAEVRPPFTYASLIRQAILESPEKQLTLNE
IYNWFTRMFAYFRRNAATWKGAIKRTNLSLHKCFIRVEDEFGSFWTVDDDEFKRRRIQRGRPRKYPDEN
FDELVAHNPSLIKNMQSSHAYCTPLNAAQASMAENSIPLYTTASMGNPTLGNLASAIREELNGAMEHTN
SNESDSSPGRSPMQAVHPVHVKEEPLDPEEAEGPLSLVTTANHSPDFDHRDYEDEPVNEDME
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TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001244810

ORF Size: 2079 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_001244810.2](#)

RefSeq Size: 7150 bp

RefSeq ORF: 2082 bp

Locus ID: 27086

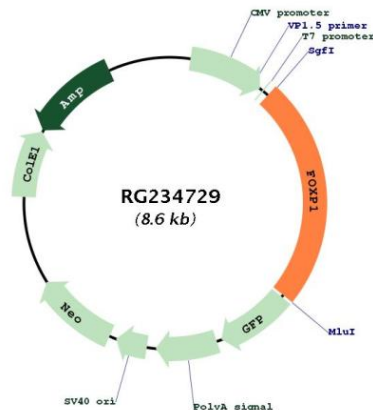
UniProt ID: [Q9H334](#)

Cytogenetics: 3p13

Protein Families: Transcription Factors

Gene Summary: This gene belongs to subfamily P of the forkhead box (FOX) transcription factor family. Forkhead box transcription factors play important roles in the regulation of tissue- and cell type-specific gene transcription during both development and adulthood. Forkhead box P1 protein contains both DNA-binding- and protein-protein binding-domains. This gene may act as a tumor suppressor as it is lost in several tumor types and maps to a chromosomal region (3p14.1) reported to contain a tumor suppressor gene(s). Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG234729