

Product datasheet for **RG234475**

FOXP1 (NM_001244813) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FOXP1 (NM_001244813) 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)



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ORF Nucleotide Sequence:

>RG234475 representing NM_001244813
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGATGACACCTCAAGTTATCACTCCCCAGCAAATGCAGCAGATCCTCCAGCAACAAGTGTGAGCCCTC
 AGCAGCTCCAGGTTCTCCTCCAGCAGCAGCAGGCCCTCATGCTTCAACAGCAGCAGCTTCAAGAGTTTTA
 TAAAAACAACAGGAACAGTTGCAAGCTTCAACTTTTACAACAACAACATGCTGAAAAACAGCCTAAAGAG
 CAACAGCAGGTGGCTACCCAGCAGTTGGCTTTTACAGCAGCAGCTTTTACAGATGCAGCAGTTACAGCAGC
 AGCACCTCCTGTCTTTCAGCGCCAAGGCCCTTCTGACAATTCAGCCCGGGCAGCCTGCCCTTCCCCTTCA
 ACCTCTTGCTCAAGGCATGATTCCAACAGAAGTGCAGCAGCTCTGGAAAGAAGTACAAGTGTCTACTACT
 GCAGAAGAAACCACAGGCAACAATCACAGCAGTTTGGATCTGACCAGCAGATGTGTCTCCTCCTCTGCAC
 CTTCCAAGACCTCCTTAATAATGAACCCACATGCCTCTACCAATGGACAGCTCTCAGTCCCACTCCCAA
 AAGGGAAAGTTTGTCCCATGAGGAGCACCCCATAGCCATCCTCTCTATGGACATGGTGTATGCAAGTGG
 CAGGCTGTGAAGCAGTGTGCGAAGATTTCCAATCATTTCTAAAACATCTCAACAGTGAGCATGCGCTGG
 ACGATAGAAGTACAGCCAATGTAGAGTACAAATGCAGGTTGTACAGCAGTTAGAGCTACAGCTTGCAAA
 AGACAAAGAAGCCTGCAAGCCATGATGACCCACCTGCATGTGAAGTCTACAGAACCCTAAAGCCGCCCT
 CAGCCCTTGAATCTGGTATCAAGTGTCACTCTCTCAAGTCCGCATCGGAGGCTTCTCCACAGAGCTTAC
 CTCATACTCCAACGACCCCAACCGCCCCCTGACTCCCGTCAACCAAGGCCCTCTGTATCACAAACCAC
 CAGCATGCACACGGTGGGACCCATCCGCAGGCGGTAAGTACTCAGACAATAACAAGTGGCCATTTTCGTCAGCA
 GATATTGCGCAGAACCAAGAATTTATAAGAACGCAGAAGTTAGACCACCATTTACATATGCATCTTTAA
 TTAGCGAGGCCATTCTCGAATCTCCAGAAAAGCAGCTAACACTAAATGAGATCTATAACTGGTTCACAG
 AATGTTTGTCTTACTTCCGACGCAACGCGGCCACGTGGAAGAATGCAGTGGTGCATAATCTTAGTCTTCAC
 AAGTGTGTTTGTGCGAGTAGAAAACGTTAAAGGGCAGTATGGACAGTGGATGAAGTAGAATTCAAAAAC
 GAAGGCCACAAAAGATCAGTGGTAACCTTCCCTTATTAACAAATGCAGAGCAGCCACGCTACTGCAC
 ACCTCTCAATGCAGCTTTACAGGCTTCAATGGCTGAGAATAGTATACCTCTATACACTACCGCTTCCATG
 GGAAATCCCACTCTGGGCACTTAGCCAGCGCAATACGGGAAGAGCTGAACGGGGCAATGGAGCATACCA
 ACAGCAACGAGAGTGACAGCAGTCCAGGCAGATCTCCTATGCAAGCCGTGCATCCTGTACACGTCAAAGA
 AGAGCCCTCGATCCAGAGGAAGCTGAAGGGCCCTGTCTTAGTGACAACAGCCAACCACAGTCCAGAT
 TTTGACCATGACAGAGATTACGAAGATGAACAGTAAACGAGGACATGGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG234475 representing NM_001244813
 Red=Cloning site Green=Tags(s)

MMTPQVITPQQMQQILQQQVLSPPQLQVLLQQQQALMLQQQQLQEFYKQKQEQQLQLQLLQQQHAGKQPK
 QQQVATQQLAFQQQLLQMQLQQQHLLSLQRQGLLTIQPGQPALPLQPLAQGMIPTELQQLWKEVTS
 AEETTGNHSSLDLTTTCVSSSAPSKTSLIMNPHASTNGQLSVHTPKRESLSHEEHPHSHPLYGHVCKW
 PGCEAVCEDFQSFLLKHLNSEHALDDRSTAQCRVQMQVVQLELQLAKDKERLQAMMTHLHVKSTPEKAP
 QPLNLSVSVTLKSSASEASPQSLPHTPTTPTAPLTPVTQGPSVITTTSMHTVGPIRRYSKYNVPISSA
 DIAQNQEFYKNAEVRPPFTYASLIRQAILESPEKQLTLNEIYNWFTRMFAYFRRNAATWKNVVRHNL
 SLHKCFVRVENVKGAVWTVDEVEFQKRRPQKISGNPSLIKMQSSSHAYCTPLNAALQASMAENSIPL
 YTTASMGNPTLGNLASAIREELNGAMEHTNSNESDSSPGRSPMQAVHPVHVKEEPLDPEEAEGPLSLV
 TTANHSPDFDHRDYEDEPVNEDME

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001244813

ORF Size: 1731 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_001244813.3](#)

RefSeq Size: 6394 bp

RefSeq ORF: 1734 bp

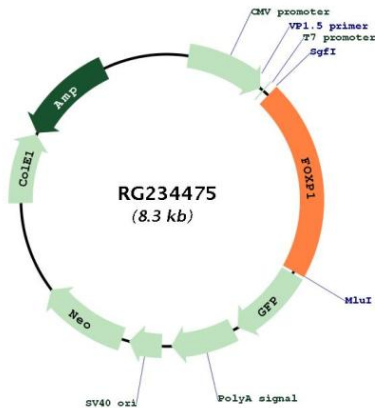
Locus ID: 27086

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 RG234475