

## Product datasheet for **RG225614**

### FOXP3 (NM\_001114377) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** FOXP3 (NM\_001114377) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** FOXP3  
**Synonyms:** AIID; DIETER; IPEX; JM2; PIDX; XPID  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG225614 representing NM\_001114377  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGATCGCC

ATGCCCAACCCAGGCCTGGCAAGCCCTCGGCCCTTCTTGGCCCTGGCCCATCCCCAGGAGCCTCGC  
 CCAGCTGGAGGGCTGCACCCAAAGCCTCAGACCTGCTGGGGGCCCGGGCCAGGGGAACCTCCAGGG  
 CCGAGATCTTCGAGGGGGGCCATGCCTCTTCTTCCCTTGAACCCATGCCACCATCGCAGCTGCAG  
 CTCTCAACGGTGGATGCCACGCCCGGACCCCTGTGCTGCAGGTGCACCCCTGGAGAGCCAGCCATGA  
 TCAGCCTCACACCACCCACCACCACCCTGGGGTCTTCTCCCTCAAGGCCGGCCTGGCCTCCCACCTGG  
 GATCAACGTGGCCAGCCTGGAATGGGTGTCCAGGGAGCCGGCACTGCTCTGCACCTCCCAAATCCCACT  
 GCACCCAGGAAGGACAGCACCTTTTCGGCTGTGCCCCAGAGCTCCTACCCACTGTGGCAATGGTGTCT  
 GCAAGTGGCCCGGATGTGAGAAGGTCTTGAAGAGCCAGAGGACTTCTCAAGCACTGCCAGGCGGACCA  
 TCTTCTGGATGAGAAGGGCAGGGCACAATGTCTCCTCCAGAGAGAGATGGTACAGTCTCTGGAGCAGCAG  
 CTGGTGTGGAGAAGGAGAAGCTGAGTGCCATGCAGGCCACCTGGTGGGAAAATGGCACTGACCAAGG  
 CTTTCATCTGTGGCATCATCCGACAAGGGCTCCTGCTGCATCGTAGCTGCTGGCAGCAAGGCCCTGTCGT  
 CCCAGCCTGGTCTGGCCCCGGGAGGCCCTGACAGCCTGTTTGTGTCCGGAGGCACCTGTGGGGTAGC  
 CATGGAAAACAGCACATTCCAGAGTTCCACACAACATGGACTACTTCAAGTTCCACAACATGCGACCCC  
 CTTTCACCTACGCCACGCTCATCCGCTGGGCCATCCTGGAGGCTCCAGAGAAGCAGCGGACACTCAATGA  
 GATCTACCACTGGTTACACGCATGTTTGCCTTTCAGAAACCATCCTGCCACCTGGAAGAAGCCATC  
 CGCCACAACCTGAGTCTGCAACAAGTCTTTGTGCGGGTGGAGAGCGAGAAGGGGGCTGTGTGGACCGTGG  
 ATGAGCTGGAGTCCGCAAGAAACGGAGCCAGAGGCCAGCAGGTGTTCCAACCTACACCTGGCCCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG225614 representing NM\_001114377  
 Red=Cloning site Green=Tags(s)

MPNPRPGKPSAPSLALGPPSPGASPSWRAAPKASDLLGARGPGGTFQGRDLRGGAHASSSSLNPMPPSQQL  
 LSTVDAHARTPVLQVHPLESPAMISLTPPTTATGVFSLKARPLPPGINVASLEWVSREPALLCTFPNPS  
 APRKDSLTSAPVQSSYP LLANGVCKWPGCEKVFEEPEDFLKHCQADHLLDEKGRAQCLLQREMVQSLEQQ  
 LVLEKEKLSAMQAHLAGKMALTKASSVASSDKGSCCIVAAGSQGPVVPAWSGPREAPDSLFAVRRHLWGS  
 HGNSTFPEFLHNMDYFKFHNMRPPFTYATLIRWAILEAPEKQRTLNEIYHWFTRMFAFFRNHPATWKNAI  
 RHNLSLHKCFVRVESEKGAVWTVDELEFRKKRSQRPSRCSNPPTPGP

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001114377

**ORF Size:** 1188 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\\_001114377.2](#)

**RefSeq Size:** 2292 bp

**RefSeq ORF:** 1191 bp

**Locus ID:** 50943

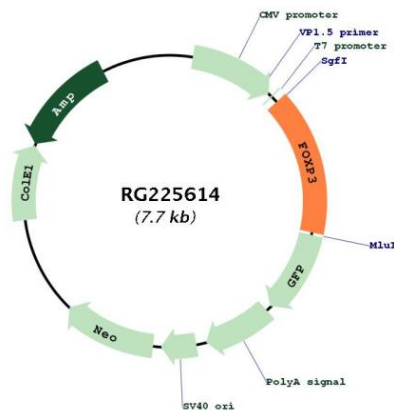
**UniProt ID:** [Q9BZS1](#)

**Cytogenetics:** Xp11.23

**Protein Families:** Transcription Factors

**Gene Summary:** The protein encoded by this gene is a member of the forkhead/winged-helix family of transcriptional regulators. Defects in this gene are the cause of immunodeficiency polyendocrinopathy, enteropathy, X-linked syndrome (IPEX), also known as X-linked autoimmunity-immunodeficiency syndrome. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008]

### Product images:



Circular map for RG225614