

Product datasheet for **MG227205**

Foxp3 (NM_054039) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Foxp3 (NM_054039) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Foxp3
Synonyms:	JM2; scu; scurfin; sf
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG227205 representing NM_054039 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCAACCTAGGCCAGCCAAGCCTATGGCTCCTTCTGGCCCTGGCCATCCCCAGGAGTCTTGC
CAAGCTGGAAGACTGCACCAAGGGCTCAGAATTCTAGGGACCAGGGGCTCTGGGGACCTTCCAAGG
TCGGGACCTGCGAAGTGGGGCCACACCTTCTTCTTGAACCCCTGCCACCATCCAGCTGCAGCTG
CCTACAGTGCCCTAGTCATGGTGGCACCGTCTGGGGCCGACTAGGTCCCTCACCCACCTACAGGCC
TTCTCCAGGACAGACCACACTTTCATGCATCAGCTCTCCACTGTGGATGCCCATGCCAGACCCCTGTGCT
CCAAGTGCCTCACTGGACAACCCAGCCATGATCAGCCTCCACCCACCTTCTGCTGCCACTGGGGTCTTC
TCCTCAAGGCCCGCCTGGCCTGCCACCTGGGATCAATGTGGCCAGTCTGGAATGGGTGTCCAGGGAGC
CAGCTCTACTCTGCACCTTCCCACGCTCGGGTACACCCAGGAAAGACAGCAACCTTTTGGCTGCACCCCA
AGGATCTACCCACTGCTGGCAAATGGAGTCTGCAAGTGGCTGGTTGTGAGAAGGTCTTCGAGGAGCCA
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AGAGAGAAGTGGTGCAGTCTCTGGAGCAGCAGCTGGAGCTGAAAAGGAGAAGCTGGGAGCTATGCAGGC
CCACCTGGCTGGGAAGATGGCGCTGGCCAAGGCTCCATCTGTGGCCTCAATGGACAAGAGCTTTGCTGC
ATCGTAGCCACCACTACTCAGGGCAGTGTCTCCCGCCTGGTCTGCTCCTCGGGAGGCTCCAGACGGCG
GCCTGTTTGCAGTGGGAGGCACCTCTGGGAAGCCATGGCAATAGTTCCTTCCAGAGTCTTCCACAA
CATGGACTACTTCAAGTACCACAATATGCGACCCCTTTCACCTATGCCACCTTATCCGATGGGCCATC
CTGGAAGCCCGGAGAGGAGGACACTCAATGAAATCTACCATTGGTTTACTCGCATGTTTCGCTACT
TCAGAAACCCCGCCACCTGGAAGAATGCCATCCGCCACAACCTGAGCCTGCACAAGTCTTTGTGCG
AGTGGAGAGCGAGAAGGGAGCAGTGTGGACCGTAGATGAATTTGAGTTTCGCAAGAAGAGGAGCCAACGC
CCCAACAAGTGTCCAATCCCTGCCCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG227205 representing NM_054039
 Red=Cloning site Green=Tags(s)

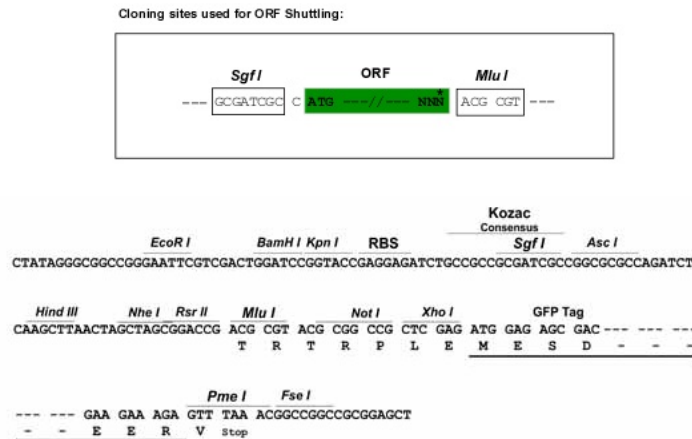
MPNPRPAKPMAPSLALGSPSPGVLPWSKTAPKGSSELLGTRGSGGPFQGRDLRSGAHTSSSLNPLPPSQLQL
 PTVPLVMVAPSGARLGPSPHLQALLQDRPHFMHQLSTVDAHAQTPVLQVRPLDNPAMISLPPPSAATGVF
 SLKARPLPPGINVASLEWVSREPALLCTFPRSGTPRKDSNLLAAPQGSYPLLANGVCKWPGCKEVFEEP
 EEFLKHCQADHLLDEKGAQCLLQREVVSLEQQLELEKEKLGAMQAHLGKMLAKAPSVASMDKSSCC
 IVATSTQGSVLPAWSAPREAPDGLFAVRRHLWGSHGNSFPEFFHNMDYFKYHNMRPPFTYATLIRWAI
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 PNKCSNPCP

TRTRPLE - GFP Tag - V

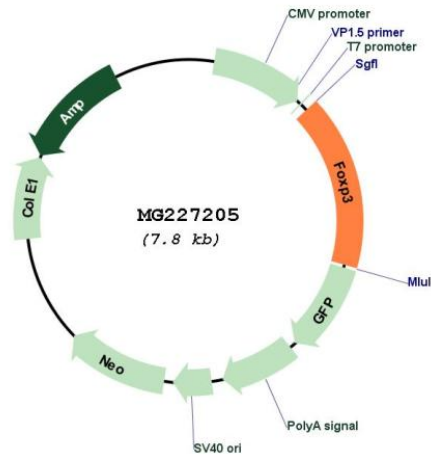
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_054039

ORF Size:	1287 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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:	<ol style="list-style-type: none"> 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_054039.2
RefSeq Size:	3739 bp
RefSeq ORF:	1290 bp
Locus ID:	20371
UniProt ID:	Q99JB6
Cytogenetics:	X 3.41 cM
Gene Summary:	The protein encoded by this gene is a member of the forkhead/winged-helix family of transcriptional regulators. Defects in this gene result in the scurfy phenotype (sf). Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2015]