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Product datasheet for MC209380

Foxp3 (NM_054039) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Foxp3 (NM_054039) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Foxp3
Synonyms:	JM2; scu; scurfin; sf
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

>MC209380 representing NM_054039
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCCCAACCCTAGGCCAGCCAAGCCTATGGCTCCTTCCTTGGCCCTTGGCCCATCCCCAGGAGTCTTGC
CAAGCTGGAAGACTGCACCCAAGGGCTCAGAACTTCTAGGGACCAGGGGCTCTGGGGGACCCTTCCAAGG
TCGGGACCTGCGAAGTGGGGCCCACACCTCTTCTTCCTTGAACCCCCTGCCACCATCCCAGCTGCAGCTG
CCTACAGTGCCCCTAGTCATGGTGGCACCGTCTGGGGCCCGACTAGGTCCCTCACCCCACCTACAGGCCC
TTCTCCAGGACAGACCACACTTCATGCATCAGCTCTCCACTGTGGATGCCCATGCCCAGACCCCTGTGCT
CCAAGTGCGTCCACTGGACAACCCAGCCATGATCAGCCTCCCACCACCTTCTGCTGCCACTGGGGTCTTC
TCCCTCAAGGCCCGGCCTGGCCTGCCACCTGGGATCAATGTGGCCAGTCTGGAATGGGTGTCCAGGGAGC
CAGCTCTACTCTGCACCTTCCCACGCTCGGGTACACCCAGGAAAGACAGCAACCTTTTGGCTGCACCCCA
AGGATCCTACCCACTGCTGGCAAATGGAGTCTGCAAGTGGCCTGGTTGTGAGAAGGTCTTCGAGGAGCCA
GAAGAGTTTCTCAAGCACTGCCAAGCAGATCATCTCCTGGATGAGAAAGGCAAGGCCCAGTGCCTCCTCC
AGAGAGAAGTGGTGCAGTCTCTGGAGCAGCAGCTGGAGCTGGAAAAGGAGAAGCTGGGAGCTATGCAGGC
CCACCTGGCTGGGAAGATGGCGCTGGCCAAGGCTCCATCTGTGGCCTCAATGGACAAGAGCTCTTGCTGC
ATCGTAGCCACCAGTACTCAGGGCAGTGTGCTCCCGGCCTGGTCTGCTCCTCGGGAGGCTCCAGACGGCG
GCCTGTTTGCAGTGCGGAGGCACCTCTGGGGAAGCCATGGCAATAGTTCCTTCCCAGAGTTCTTCCACAA
CATGGACTACTTCAAGTACCACAATATGCGACCCCCTTTCACCTATGCCACCCTTATCCGATGGGCCATC
CTGGAAGCCCCGGAGAGGCAGAGGACACTCAATGAAATCTACCATTGGTTTACTCGCATGTTCGCCTACT
TCAGAAACCACCCCGCCACCTGGAAGAATGCCATCCGCCACAACCTGAGCCTGCACAAGTGCTTTGTGCG
AGTGGAGAGCGAGAAGGGAGCAGTGTGGACCGTAGATGAATTTGAGTTTCGCAAGAAGAGGAGCCAACGC
CCCAACAAGTGCTCCAATCCCTGCCCTTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1865_c05.zip

Restriction Sites: SgfI-MluI

ACCN: NM_054039

Insert Size: 1290 bp

OTI Disclaimer: 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.

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

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:	BC132333, AAI32334
RefSeq Size:	3765 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] Transcript Variant: This variant (2) lacks an alternate exon in the 5' UTR, compared to variant 1. Variants 1, 2, and 3 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.