

Product datasheet for **MR229864**

Foxp3 (NM_001199348) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Foxp3 (NM_001199348) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Foxp3
Synonyms:	JM2; scu; scurfin; sf
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR229864 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCCAACCCCTAGGCCAGCCAAGCCTATGGCTCCTTCTGGCCCTTGCCCATCCCCAGGAGTCTTGC
 CAAGCTGGAAGACTGCACCCAAGGGCTCAGAATTCTAGGGACCAAGGGCTCTGGGGACCCCTTCCAAGG
 TCGGGACCTGCGAAGTGGGGCCACACCTCTTCTTCTTGAACCCCTGCCACCATCCCAGCTGCAGCTG
 CCTACAGTGGCCCTAGTCATGGTGGCACCGTCTGGGGCCGACTAGGTCCCTCACCCACCTACAGGCC
 TTCTCCAGGACAGACCACACTTCATGCATCAGCTCTCCACTGTGGATGCCCATGCCAGACCCCTGTGCT
 CCAAGTGCCTCCACTGGACAACCCAGCCATGATCAGCCTCCACCACCTTCTGCTGCCACTGGGGTCTTC
 TCCCTCAAGGCCCGCCTGGCTGCCACCTGGGATCAATGTGGCCAGTCTGGAATGGGTGTCAGGGGAGC
 CAGCTCTACTCTGCACCTTCCCACGCTCGGTACACCCAGGAAAGACAGCAACCTTTTGGCTGCACCCCA
 AGGATCCTACCCACTGCTGGCAAATGGAGTCTGCAAGTGGCTGGTTGTGAGAAGTCTTCGAGGAGCCA
 GAAGAGTTTCTCAAGCACTGCCAAGCAGATCATCTCCTGGATGAGAAAGGCAAGGCCAGTGCCTCCTCC
 AGAGAGAAGTGGTGCAGTCTCTGGAGCAGCAGCTGGAGCTGGAAGGAGAGAGTGGGAGCTATGCAGGC
 CCACCTGGCTGGGAAGATGGCGCTGGCCAAGGCTCCATCTGTGGCCTCAATGGACAAGAGCTTGTCTGC
 ATCGTAGCCACCAGTACTCAGGGCAGTGTGCTCCCGCCTGGTCTGCTCCTCGGGAGGCTCCAGACGGCG
 GCCTGTTTGCAGTGGGAGGCACCTCTGGGAAGCCATGGCAATAGTTCCCTTCCCAGAGTCTTCCACAA
 CATGGACTACTTCAAGTACCACAATATGCGACCCCTTACCTATGCCACCTTATCCGATGGGCCATC
 CTGGAAGCCCCGGAGAGGCAGAGGACACTCAATGAAATCTACCATTGGTTTACTCGCATGTTGCGCTACT
 TCAGAAACCCCGCCACCTGGAAGAATGCCATCCGCCACAACCTGAGCCTGCACAAGTCTTTGTGCG
 AGTGGAGAGCGAGAAGGGAGCAGTGTGGACCGTAGATGAATTTGAGTTTCGCAAGAAGAGGAGCCAACGC
 CCCAACAAAGTGCTCCAATCCCTGCCCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR229864 protein sequence
 Red=Cloning site Green=Tags(s)

MPNPRPAKPMAPSLALGPSVGLPSWKTAPKGSELLGTRGSGGPFQGRDLRSGAHTSSSLNPLPPSQLQL
 PTVPLVMVAPSGARLGPSPHLQALLQDRPHFMHQLSTVDAHAQTPVLQVRPLDNPAMISLPPPSAATGVF
 SLKARPLPPGINVASLEWVSREPALLCTFPRSGTFRKDSNLLAAPQGSYPLLANGVCKWPGCEKVFEEF
 EEFLKHCQADHLLDEKGAQCLLQREVVSLEQQLELEKEKLGAMQAHLGKMLAKAPSVASMDKSSCC
 IVATSTQGSVLPAWSAPREAPDGLFAVRRHLWGSNGNSFFPEFFHNMDYFKYHNMRPPTYATLIRWAI
 LEAPERQRTLNEIYHWFTRMFAYFRNHPATWKNAIRHNLSLHKCFVRVESEKGAVWTVDEFEFRRKRSQR
 PNKCSNPCP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001199348

ORF Size: 1287 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_001199348.1](#), [NP_001186277.1](#)

RefSeq Size: 3690 bp

RefSeq ORF: 1290 bp

Locus ID: 20371

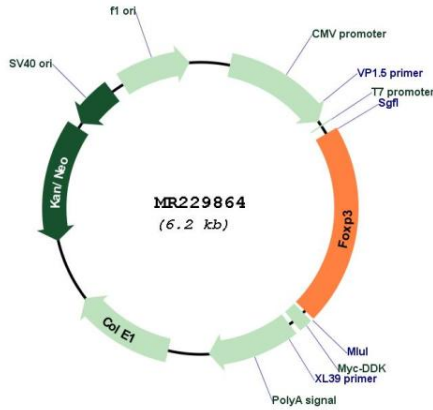
UniProt ID: [Q99JB6](#)

Cytogenetics: X 3.41 cM

MW: 47.3 kDa

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]

Product images:



Circular map for MR229864