

Product datasheet for RC201400

FOXSI (NM_004118) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FOXSI (NM_004118) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	FOXSI
Synonyms:	FKHL18; FREAC10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC201400 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCTGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGCAGCAGCAGCCTCTGCCCGGGCCTGGCGCCCCACAACCTGAGCCAACCAAGCCTCCCTACAGCTACA
 TCGCCCTTATTGCTATGGCCATCCAGAGCTCACCAGGGCAGCGGGCCACCCTCAGTGGCATCTACCGCTA
 CATCATGGGCCGATTGCTTCTACCGCCACAACCGCCCGGCTGGCAGAACAGCATCCGCCACAACCTG
 TCACTCAACGAGTGCTTTGTCAAGGTGCCCGCGATGACCGCAAGCCAGGCAAGGGCAGCTACTGGACGC
 TGGACCCTGACTGCCACGACATGTTTGAGCACGGCAGCTTCTACGCCCGCCGCCGCTTCACCCGGCA
 GACAGGTGCTGAGGGCACCCGGGGCCCCGCAAGGCACGCCGTGGACCCCTCAGGGGACAGCCAGGAC
 CCAGGAGTCCCCAACGCCACGACCGGCAGGCAGTGCTCATTCCCACAGAGCTGCCAGATCCCAAGGGCC
 TAAGCTTTGGGGGTCTGGTGGGGGCCATGCCAGCCAGTATGTGCCAGCAACCACTGATGGCAGGCCTCG
 GCCACCCATGGAGCCCAAGAGATTTCCACGCCCAAGCCTGCATGCCAGGGGAGCTCCCGTGGCCACC
 TCATCTTCCTCATGCCAGCGTTTGGCTTCTGCCGGCTTCTCAGAGGCTGAGAGTTTAAAGGCC
 CTACGCCCGTCTTGTCGCCGAATCAGGCATCGGGAGCAGCTACCAGTGTGGCTGCAGGCACTGAATTT
 TTGCATGGGGGTGACCCAGGCCTTGAGCACCTTTGGCTCAGCAGCCCCCTCCCCTGCACCCACC
 CCTCCAGGCTCACTCCGGGCCCACTGCCCTGCCAAGTACCAAGGAACCTGGGTTGCAGGTGGCT
 TCCTGTCCAGGAGGCTCCGGCTACCCATTGGGGCTGACCCCTGCCTATACCGGACGCCAGGAATGTT
 CTCTTTGAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >RC201400 protein sequence
 Red=Cloning site Green=Tags(s)

MQQQPLPGPGAPTTTEPTKPPYSYIALIAMAIQSSPGQRATLSGIYRYIMGRFAFYRHNRPGWQNSIRHNL
 SLNECFVKVPRDDRKPGKGSYWTLDPDCHDMFEHGSFLRRRRRFTRQTGAEGTRGPAKARRGPLRATSQD
 PGVFNATTGRQCSFPPELPDPKGLSFGGLVGAMPASMCATTDDGRPPPMPEKEISTPKACPGEPLPVAT
 SSSSCPAFGFPAGFSEAESFNKAPTPVLSPESGIGSSYQCRLQALNFCMGADPGLEHLLASAAPSPAPPT
 PPGSLRAPLPLPTDHKEPWWAGGFPVQGGSGYPLGLTPCLYRTPGMFFFE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6419_c08.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_004118

ORF Size: 990 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_004118.4](#)

RefSeq Size: 1353 bp

RefSeq ORF: 993 bp

Locus ID: 2307

UniProt ID: [O43638](#)

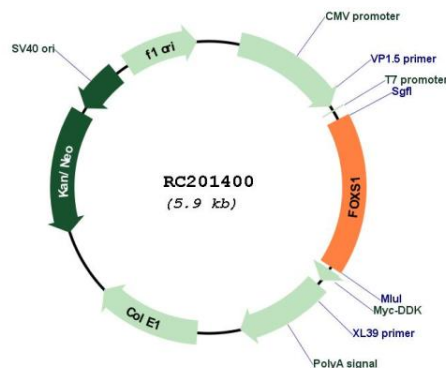
Cytogenetics: 20q11.21

Protein Families: Transcription Factors

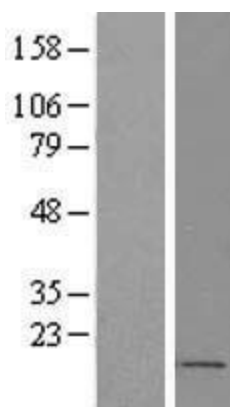
MW: 35.4 kDa

Gene Summary: The forkhead family of transcription factors belongs to the winged helix class of DNA-binding proteins. The protein encoded by this intronless gene contains a forkhead domain and is found predominantly in aorta and kidney. The function of the encoded protein is unknown. [provided by RefSeq, Jul 2008]

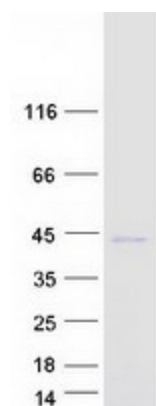
Product images:



Circular map for RC201400



Western blot validation of overexpression lysate (Cat# [LY418193]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC201400 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified FOXS1 protein (Cat# [TP301400]). The protein was produced from HEK293T cells transfected with FOXS1 cDNA clone (Cat# RC201400) using MegaTran 2.0 (Cat# [TT210002]).