

Product datasheet for **RG218259**

FOXF1 (NM_001451) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FOXF1 (NM_001451) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FOXF1
Synonyms:	ACDMPV; FKHL5; FREAC1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG218259 representing NM_001451 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCTTCGGCGCCCGAGAAGCAGCAGCCACCGCACGGCGGGCGGGCGGGCGGGGGAGGCGGG
CGGCCATGGACCCCGCTCGTCCGGCCCGTCCAAGGCCAAGAAGACCAACGCCGGCATCCGGCGCCCGGA
GAAGCCGCCCTATTCTACATCGCGCTCATCGTCATGGCCATCCAGAGTTCACCCACCAAGCGCCTGACG
CTGAGCGAGATCTACCAGTTCCTGCAGAGCCGCTTCCCCTTCTCCGGGGCTCCTACCAGGGCTGGAAGA
ACTCCGTGCGCCACAACCTCTCGCTCAACGAGTGCTTCATCAAGTACCCAAGGGCCTTGGCGGGCCGG
CAAGGGCCACTACTGGACCATCGACCCGGCCAGCGAGTTCATGTTTCGAGGAGGGCTCCTTTCGGCGCGCG
CCGCGCGGCTTCCGAAGGAAATGCCAGGCGCTCAAGCCATGTACAGCATGATGAACGGGCTCGGCTTCA
ACCACCTCCCGGACACCTACGGCTTCCAGGGCTCGGCCGGCGGCCTCTCGTGCCCGCCCAACAGCCTGGC
GCTGGAGGGCGGCTGGGCATGATGAACGGCCACTTGGCCGGCAACGTGGACGGCATGGCCCTGCCAGC
CACTCGGTGCCCCACCTGCCTTCCAACGGCGGCCACTCGTACATGGGCGGCTGCGGCGGCGGGCGGCCG
GCGAGTACCCGCACCACGACAGCTCGGTGCCCGCTCCCCGTGCTGCCACCGGCGCGGTGGGGTTCAT
GGAGCCGACGCGCTACTCGGGCTCGGCGGCGGCTGGCCGCCCTCGGCGTCCGCGGCGCTCAACAGC
GGCGCCTTTATATCAAGCAGCAGCCCTGTCCCCTGTAAACCCCGGGCCAACCCCTGTCCGGCAGCC
TCTCCAGCACTCCCTGGAGCAGCGTATCTGCACCAAGACAGCCACAACGCCCCAGCCGAGCTGCAAGG
CATCCCGCGGTACTACTCGCAGTCGCCAGCATGTGTGACCGAAAAGGAGTTTGTCTTCTTTCAACGCC
ATGGCGTCTTCCATGCACTCGGCCGGGGGCTCCTACTACCACAGCAGTACCTACCAAGACA
TCAAGCCTTGCCTGATG

ACGCGTACGCGGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG218259 representing NM_001451
Red=Cloning site Green=Tags(s)

MSSAPEKQPPHGGGGGGGGGAAMDPASSGSPKAKKTNAGIRRPEKPPYSYIALIVMAIQSSPTKRLT
 LSEIYQFLQSRFPFFRGSYQGWKNSVRHNL SLNECFIKLPKGLGRPGKGHYWTIDPASEFMFEEGSFRRR
 PRGFRRKCQALKPMYSMMNGLGFNHL PDTYGFQGSAGGLSCPPNSLALEGG LGMMNGHLPGNV DGMALPS
 HSYVHLPSNGGHSYMGCGGAAAGEYPHHDSSVPASPLLPTGAGGVMEPHAVYSGSAAA WPPSASAALNS
 GASYIKQQPLSPCNPAANPLSGSLSTHSLEQPYLHQNSHNAPAE LQGIPRYHSQSPSMCDRKEFVFSFNA
 MASSSMHSAGGSYYHQVQTYQDIKPCVM

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001451

ORF Size: 1137 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_001451.3](#)

RefSeq Size: 2579 bp

RefSeq ORF: 1140 bp

Locus ID: 2294

UniProt ID: [Q12946](#)

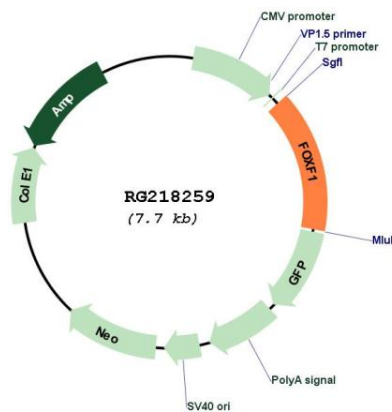
Cytogenetics: 16q24.1

Domains: FH

Protein Families: Transcription Factors

Gene Summary: This gene belongs to the forkhead family of transcription factors which is characterized by a distinct forkhead domain. The specific function of this gene has not yet been determined; however, it may play a role in the regulation of pulmonary genes as well as embryonic development. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG218259