

Product datasheet for **RG206430**

FOXI1 (NM_144769) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FOXI1 (NM_144769) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FOXI1
Synonyms:	FKH10; FKHL10; FREAC-6; FREAC6; HFH-3; HFH3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG206430 representing NM_144769 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGCTCCTTCGACCTGCCGGCGCCCTCCCCACCTCGCTGCAGCCCCAGTTCCCAGCATCGGCCAGG
AGCCCCCGAGATGAACCTCTACTATGAGAACTTCTCCACCCACAGGGCGTGCCAGCCCTCAGCGGCC
CTCCTTCGAGGGGGCGGCGAGTATGGGGCCACCCCAACCCCTACCTCTGGTTCAACGGGCCACCATG
ACCCCGCCACCCTACCTGCCGGCCCCAACGCCAGCCCCCTTCTGCCCCAGGCCATGGAGTGCAGAGGC
CGCTGCTGCCAGCGTGTGGGGCTTGGGGGAGCGACCTGGGCTGGCTGCCATCCCCTCGCAGGAGGA
GCTGATGAAGCTGGTGGCGCCACCCTATTCCTACTCGGCTCTCATCGCCATGGCCATCCACGGGGCACCC
GACAAGCGCCTCACTCTCAGCCAGATCTACCAGTACGTGGCCGACAACCTCCCCTTCTACAACAAGAGCA
AGGCCGGCTGGCAGAACTCCATCCGCCACAACCTGTGCGCTCAACGACTGCTTCAAGAAGGTGCCCGCGA
CGAGGACGACCCGGCCTATGTGAGCGGGGGGAGCCCCACGAGCCACCCCTTGGTCAACACAGGACTGAGC
CCTGAGCCAGTGAAGACGGGGCAGAACTCACTGACCTTCAACTCCTTCTCCCCGCTCACCAACCTCA
GCAACCACAGCGGTGGGGTGACTGGGCGAACCCATGCCACCAACATGCTCAGCTACGGAGGATCTGT
GCTCAGCCAATTCAGCCCTCACTTCTACAACAGTGTCAACACCAGTGGTGTCTCTACCCAGGGAGGGC
ACCGAGGTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG206430 representing NM_144769
Red=Cloning site Green=Tags(s)

MSSFDLPAPSPPRCSPQFPSIGQEPEMNLYYENFFHPQGVPSQPQSFEGGGEYGATPNPYLWFGPTM
 TPPPYPGPNASPFLPQAYGVQRLLPSVSLGGSDLGWLPIPSQEELMKLVRPPYSYSALIAMA IHGAP
 DKRLTLSQIYQYVADNFPFYNKSKAGWQNSIRHNL SLNDCFKKVPREDDPAYVSGGSPTSHPLVTPGLS
 PEP SDKTGQNSLTFNSFSPLTNLSNHSGGDWANPMPNTNLSYGGSVLSQFSPHFYNSVNTSGVLVPREG
 TEV

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_144769

ORF Size: 849 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_144769.1](#), [NP_658982.1](#)

RefSeq Size: 2011 bp

RefSeq ORF: 852 bp

Locus ID: 2299

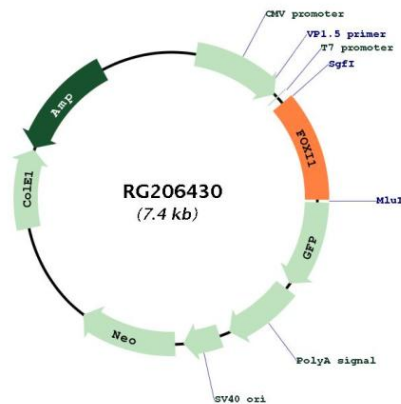
UniProt ID: [Q12951](#)

Cytogenetics: 5q35.1

Protein Families: Transcription Factors

Gene Summary: This gene belongs to the forkhead family of transcription factors, which is characterized by a distinct forkhead domain. This gene may play an important role in the development of the cochlea and vestibulum, as well as in embryogenesis. The encoded protein has been found to be required for the transcription of four subunits of a proton pump found in the inner ear, the kidney, and the epididymis. Mutations in this gene have been associated with deafness, autosomal recessive 4. [provided by RefSeq, Jan 2017]

Product images:



Circular map for RG206430