

Product datasheet for **RN214522**

Foxn1 (NM_001100648) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Foxn1 (NM_001100648) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Foxn1
Synonyms:	Rnu; RONU; Whn
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN214522 representing NM_001100648
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGTGTGCTACTCCCTCCGACTCTGACGTCACTTCCAGGCTCCACCCGACTGGAGGGCGAACCCC
 AAGGGGACCTCATGCAGGCTCCGGGCTCCAGGCTCCCCTGCCACAGAACAAAGCACGCCAATTCAG
 CTGCTCATCATTTGTGCCTGATGGCCCTCCAGAGAGGGCCCCCTCGCTGCCCCCCACAGCCCAAGCATC
 GCATCTCCAGGCCAGAGCAGATCCAGAGCCACTGCACAGCTGGACCTGGCCAGGCTCCTTCCGCCTTT
 CTCCTCAGACAAGTATCCTGGCTTTGGCTTTGAGGAGGGCCAGCAGGCAGCCAGGGCGCTTCTCAG
 GGGCAACCACATGCCTTTCCACCCTTACAAGGGGCACTTCCATGAAGACATCTTCTGAGGCCAGACG
 GCCATGGCGCTTGATGGACTCCTTTAAGACTCAGGGGGCACTGGAAGCCTTTGAGGAGATCCCTGTGG
 ATGTGGGGGATGCTGAGGCTTTCTGCCTAGCTTCCCAGCAGAGGCTTGGTGAATGGACTCCCTTACCC
 CAGCCAGGAACACAACCAAAATTCGAGGGGTGAGAGTCAAGGTCAAGCCCAAGCTTTGGACAATGGT
 CCTGGGATGTAAGTACTACAGCCTCCCTTGAGCATGTGTACTGTTCTTCTCAGCCACCTTTCATCAGT
 ACTCCCCGGTGGAGGCAGCTACCTGTGCCCTACCTGGGCTCCACTCACTACCCCTATCAGAGGATTGC
 GCCCAGGCCAACGCAGACGGTACCAGCCACTTCCCAAAGCCATCTACTCTACAGCATCCTCATC
 TTCATGGCCCTTAAGAACAGCAAGACCGGAAGCCTTCCAGTCAAGTAACTACAATTCATGACGGAGC
 ACTTCCCTTATTTCAAGACTGCGCTGATGGCTGGAAGAATTCTGTTCCGCATAACCTGTCTCTCAACAA
 GTGCTTTGAGAAGGTAGAGAATAATCCGAAGTCTCCCGAAAGGGCTGTCTGTGGCCCTCAATCCT
 TCCAAAATCGACAAGATGCAGGAAGAGCTGCAGAAGTGAAGAGGAAAGACCCCATGCTGTGCGCAAAA
 GCATGGCCAAACCAGAAGAGCTGGACAGCCTCATCGGAGACAAAAGGGAGAAACTGGGTTCTCCTGCTGCT
 AGGATGTCCACCCCTGGGCTGGCAGGCCAGGTCCCATCCGGCCCTGGCACCTTCAGTGGTCTTACC
 CAGCCTCTACACCAATGCATCCAGCTCCAGTCCCATGCCTGGCAAGAACCCCTGCAGGACCTACTGG
 GTGGCCATGCACCCTCTGCTACGGGCAGACCTACCCACACCTTTCTCCAGCCTGGCCCTTCTGGACA
 CCAGCAGCCATTGTTTTCA**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001100648
- Insert Size:** 1422 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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_001100648.1](#), [NP_001094118.1](#)
RefSeq Size: 2415 bp
RefSeq ORF: 1422 bp
Locus ID: 287469
Cytogenetics: 10q25
Gene Summary: plays a role in epidermal differentiation; mutations are associated with congenital athymia and hairlessness [RGD, Feb 2006]