

Product datasheet for RN212279

Pou4f3 (NM_001108889) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pou4f3 (NM_001108889) Rat Untagged Clone
Tag: Tag Free
Symbol: Pou4f3
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >RN212279 representing NM_001108889
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGATGGCCATGAACGCCAAGCAGCCTTTCGGCATGCACCCCGTACTGCAAGAACCCAAATTCTCCAGCC
 TGCACTCCGGCTCTGAGGCCATGCGCCGAGTTTGTCTCCAGCCCGCAGCTGCAGGGTAATATATTTGG
 AAGCTTTGATGAGAGCCTGCTGGCACGCGCCGAAGCTCTGGCGGGTGGATATCGTCTCCACGGCAAG
 AACCATCCGTTCAAGCCCGACGCCACCTACCATACCATGAGCAGCGTCCCTGCACGTCCACCTCGCCCA
 CGGTGCCATCTCCACCCGGTGCACCTCACCTCGCACCCCGCATCACCCGGTACATCAGGGCTCGAGGG
 CGACTTACTGGAGCACATCTCGCCACGCTGAGCGTGGCGCCCTAGGGGCCCGGAGCACTCCGTGATG
 CCGGCGCAGATCCACCCGCATCATCTAGGCGCCATGGGCCACTTGCATCAGGCCATGGGCATGAGTCACC
 CGCATGCCGTAGCACCTCACAGTGCCATGCCTGCGTGTCTCAGCGATGTGGAGTCAGACCCTCGAGAGCT
 GGAGGGCTTCGCCGAGCGCTTCAAGCAGAGGCGCATCAAGTTGGGGTAACCCAGGCGGACGTGGGCGG
 GCTTTAGCCAATCTTAAGATCCCGGCGTGGGCTCTCTCAGCCAGAGCACCATCTGCAGGTTGAGTCTC
 TTACCCTGTGCAACAACATGATCGCGCTCAAGCCAGTCTCCAGGCTGGCTGGAGGAGGCCGAGGC
 CGCCTACCGAGAGAAGAAGCAGCAAGCCGAGCTTTCAACGGCAGTGAGCGTAAGCGCAAACGCACGTCC
 ATCGCCGCGCCAGAGAAGCGCTCACTCGAAGCCTATTTCCGCATCCAGCCAGTCTTTCATCTGAAAAGA
 TCGCGGCCATCGCTGAGAACTGGACCTTAAAAAGAATGTGGTGAGGGTCTGGTTCTGTAACCAGAGACA
 GAAACAGAAACGAATGAAGTACTCTGCTGTCCACTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001108889



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Insert Size:	1017 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:	<ol style="list-style-type: none">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:	<u>NM_001108889.1</u> , <u>NP_001102359.1</u>
RefSeq Size:	2272 bp
RefSeq ORF:	1017 bp
Locus ID:	364855
UniProt ID:	<u>D3ZTL1</u>
Cytogenetics:	18p11
Gene Summary:	Acts as a transcriptional activator. Acts by binding to sequences related to the consensus octamer motif 5'-ATGCAAAT-3' in the regulatory regions of its target genes. Involved in the auditory system development, required for terminal differentiation of hair cells in the inner ear.[UniProtKB/Swiss-Prot Function]