

Product datasheet for **RC220807**

Oct6 (POU3F1) (NM_002699) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Oct6 (POU3F1) (NM_002699) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Oct6
Synonyms:	OCT6; OTF6; SCIP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC220807 representing NM_002699
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCCACCACCGCGCAGTACCTGCCGCGGGGCCCGGTGGCGGAGCCGGGGACCGGGCCGCTTATGC
 ACCCGGACGCGCGGCGCGGGCGGGCGGGCGGGCGGGCGGAGCGATTGCATGCAGGGGCCGCTACCG
 CGAAGTGCAGAAGCTGATGCACCACGAGTGGCTGGGCGCGGGCGCGGGCCACCCCGTGGGCTAGCGCAC
 CCCAGTGGTACCCACGGGAGGAGGCGGGCGGGCGGATTGGGCCGGCGCCCGCACCTAGAACACGGCA
 AGGCAGGCGGGCGGCGCACCGGCCGAGCCGACGACGGCGGGCGGGCGGAGGTTTCCACGCGCGCTGGT
 GCACCAGGGGGCGGCCACGCGGGCGGGCATGGGCGCAGGGCAGCACAGCGCACCACTTGGGCCCGGCC
 ATGTCGCCCTCGCCGGGGCCAGCGGGGCCACCAGCCCAGCCGCTCGGGCTGTACGCGCAGGCGGCCCT
 ACCCGGGGGCGGCGGGCGGGCGCTGGCCGGGATGCTGGCGGGCGGGCGGTGGCGGCGGGGGCGGGCCCT
 GCACCACGCGCTGCACGAGGATGGCCACGAGGCGCAGTGGAGCCGTCGCGCCCGCGCATCTGGGGGCC
 CACGGACACGCACACGGACATGCACACGCGGGCGGCTGCACGCGGCGGGCGCACCTGCACCCGGGGCG
 CGGGCGGGCGGGCTCATCGGTGGGCGAGCACTCGGACGAGGATGCGCCAGCTCGGACGACCTGGAGCA
 GTTCGCCAAGCAGTTCAAGCAGCGGCGCATCAAGCTGGGCTTTACGCAGGCCGACGTGGGCTGGCGCTG
 GGCACGCTCTACGGTAACGTGTTCTCGCAGACCACCATCTGCCGTTTCGAGGCCCTGCAGCTGAGCTTCA
 AGAACATGTGCAAGCTCAAGCCGCTGCTCAACAAGTGGCTGGAGGAGACCAGCTCGTCCAGCGGCAGCCC
 CACCAACTGGACAAGATCGCGGCGCAGGGCCGAAGCGCAAGAAGCGCACGTCCATCGAGGTGGGGTCA
 AAAGCGCGCTCGAGAGCACTTTCTCAAGTGCCTCAAGCCCTCGGCGCACGAGATCACCGCTTGGCAG
 ACAGCTGCAGCTGGAGAAGGAGTGGTGCCTGCTGGTCTGCAACCGGGCGGAGAAGGAAGCGCAT
 GACCCCTGCGGGCGGGCGGGCCACCCGCCATGGACGATGTATACGCGCCTGGGAGCTAGGGCCTGGC
 GGGGGCGGCGCATCGCCACCCTCCGCGCCCCACCGCCCGCGGGCGGCTGCACCACCACCACCACC
 ACACACTGCCCGCTCAGTGCAG

ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC220807 representing NM_002699
 Red=Cloning site Green=Tags(s)

MATTAQYLPRGPGGGAGGTGPLMHPDAAAAAAAAAERLHAGAAAYREVQKLMHHEWLGAGAGHPVGLAH
 PQWLP TGGGGGDWAGGPHLEHGKAGGGTGRADDGGGGGFHARLVHQGAHAGAAWAQGSTAHHLGPA
 MSPSPGASGGHQPLGLYAQAAYPGGGGGLAGMLAAGGGGAGPGLHHALHEDGHEAQLEPSPPPHLGA
 HGHAHGHAHAGGLHAAAHLHPGAGGGSSVGEHSEDEDAPSSDLEQFAKQFKQRRIKLGF TQADVGLAL
 GTLYGNVFSQTTICRFEALQLSFKNMCKLKPLLNKWLEETDSSSGSPTNLDKIAAQGRKRKRKRTSIEVGV
 KGALESHFLKCPKPSAHEITGLADSLQLEKEVVRVWF CNRRQKEKRMTPAAGAGHPPMDDVYAPGELGPG
 GGGASPPSAPPPPPAALHHHHHTLPGSVQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8041_e04.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_002699

ORF Size: 1353 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_002699.4](#)

RefSeq Size: 2928 bp

RefSeq ORF: 1356 bp

Locus ID: 5453

UniProt ID: [Q03052](#)

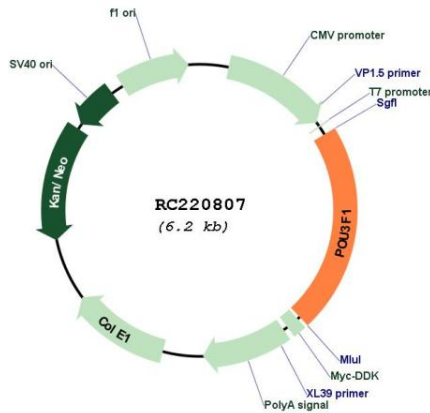
Cytogenetics: 1p34.3

Protein Families: Transcription Factors

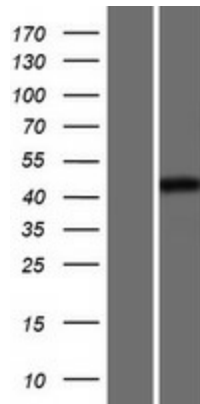
MW: 45.3 kDa

Gene Summary: Transcription factor that binds to the octamer motif (5'-ATTTGCAT-3'). Thought to be involved in early embryogenesis and neurogenesis.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC220807



Western blot validation of overexpression lysate (Cat# [LY419165]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC220807 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).