

Product datasheet for **MR213146**

Pou6f2 (NM_175006) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pou6f2 (NM_175006) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pou6f2
Synonyms:	D130006K24Rik; RPF-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>MR213146 ORF sequence

Red=Cloning site Blue=ORF Green=Tags(s)

 TTTTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGATAGCTGGACAAGTCAGTAAGCCCTTGCTGTCTAGTGGGAGTGAAATGAATGCGGAGTTGAGAGGTG
 AGGACAAGGCTGCTACTTCAGACAGCGAGCTGAATGAGCCCTGCTTGCGCCCGCGGAATCAAATGACAG
 CGAGGACACTCCAGCAAGCTCTTCGGGGCCAGAGGAAACACAGTCTTGCCAGATCCAGGAACTCCTGAC
 CAGCACCAGGCTGTGAGACCATCCACCTTTCCAGTTGGGCCACAGCCTCTTCTGACGGCACAGCAGT
 TAGCCTCTGCTGTGGCCGGGTGATGCCGGGAGGCCCCCAGCCCTCAATCAGCCAATCCTCATCCCTT
 CAACATGGCGGGACAGCTAGGTGGTCAGCAAGGCTGGTCTCAGCTGCCACCGCGAATCTCACAAAC
 ATCCAAGGCTGGTAGCAGCAGCTGCAGCTGGAGGCATTATGACTCTGCCATTGCAAAATCTACAAGCTA
 CCTCATCCCTGAACTCCAGCTGCAACAGCTCCAGCAACTCCAGCTGCAACAGCAACAACAGCAGCAGCA
 GCAACAACAGCAACAACAACAACAACAACAACAACACCTCCTCCACCAACCAGCCAGCACCACAG
 CCAGCCTCACAGGCACCCCCACAGTCCCAGCCACACCGCTCACCAGCCACCACCTGCCTCACAGCAGT
 TGCCGGCTCCCCAGCTCAGCTGCAGCAGGCTACTCAGCCTCAACAGCATCAACCTCACTCCCACCCCCA
 GAACCAGACCCAGAACCAGCCATCTCCAACCCAGCAGAGCTCAAGCCCCCTCAGAAACCAGCCCATCT
 CCCGGACATAGCCTTCCGTACCGCTCACACCGCTAACCCCTCTACAGCTGGTTAATAATCCTCTAGCAA
 GCCAGGCCCGCGTGTGTCAGCAGCCATGGGCTCCATAGCAAGTTCACAGGCCTTTGGCAATGCCCTCTC
 CAGCCTTCAGGGGTACAGGTCAACTAGTTACTAATGCACAAGGACAGATTATTGGGACCATTCCACTG
 ATGCCTAACCCAGGGCCATCGAGTCAAGCAGCAAGTGGCACTCAGGGCCTTCAAGTACAGCCTATCACAC
 CCCAGCTCCTAACCAATGCCAGGGCCAAATCATTGCCACGTCATCGGAAACCAGATCTTGCTGTGAT
 CAACACCCAGGGTATCACCTGTCCCCATCAAGCCAGGCCAGCAGCTTACCAATCTTCCAGACATCA
 GTGGGTCAAGCAGGCACCAAGGCAACCTTCTGCACCTGGCTCATGGCCAAGCTGCCACCTCTCACAGTC
 CCGTGCGACAGGCTTCTCCTCCTCTTCTCATCTCCTCTTCTCAGCTCTGAGCGTGGGCCAGTTAGT
 CAGCAATCCTCAAACAGCAGCGGTGAGGTGGACGGGTAACTCTGGAGGAGATCCGAGAATTTGCCAAA
 GCTTTTAAATCCGACGCCTGTCCCTTGGCCTGACACAGACTCAGGTGGGACAAGCCCTCAGTGCCACAG
 AGGGCCACAGCATAAGCCAGTCGCCATCTGCAGACACACCATCCTGAGAAGCCACTTTTCTACCACA
 GGAAGCCCAAGAGAACAATATAGCTAGCAGTCTGACAGCCAACTGAACCTGGCCTTTGTATCCTGCC
 AGGTTTAAAAGCTGGACATACCCCTAAAAGTGCCAGAAGATCAAGCCGGTGTGAGCGGTGGATGG
 CTGAGGCTGAGGCCCGCCATCGAGCAGGTATGCAGAATCTCACGGAATTTATTGGGAGTGAGCCATCCAA
 AAAGCGCAAGCGGCGACCTCCTTACGCCCCAGGCCCTTGAGATCCTCAATGCCCACTTTGAGAAGAAC
 ACACACCCCTCAGGGCAGGAAATGACCGAGATTGCTGAGAAGCTAACTACGACCGGGAAGTAGTTAGAG
 TTTGGTTCTGCAATAAGAGACAAGCTCTAAAGAACAATCAAACGCTTAAAGCAACACGAGCCACCTC
 GCGGCCCCCTGGAGCCCTTAGCAGACTCTCAGAAGAAAAGTGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

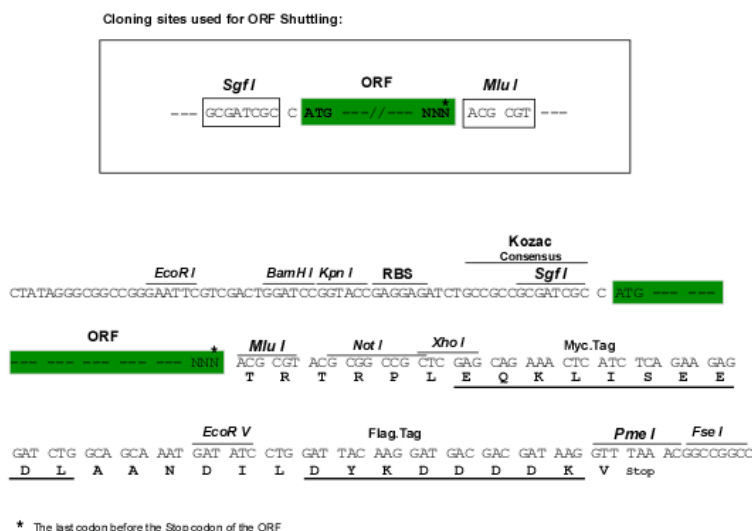
Protein Sequence: >MR213146 protein sequence
Red=Cloning site Green=Tags(s)

MIAGQVSKPLL SVRSEMAELRGEDKAATSDSELNEPLLA PAESNDS EDTPSKLF GARGNTVLPDGP TPD
QHQA CQTHPTFPVGPQPLLTAQQLASAVAGVMPGGPPALNQPI LIPFNMA GQLGGQQGLV LTLPTANL TN
IQGLVAAAAAGGIMTLPLQNLQATSSLSQLQQLQQLQLQQQQQQQQQQQQQQQQQQPPPPPTSQHPQ
PASQAPPQSQPTPPHQPPASQQLPAPPAQLQQA TQPQQHQPHSH PQNQ TQNPSP TQSSSPPQKPSPS
PGHSLPSPLTPPNPLQLVNNPLASQAAAAAAMGSIASSQAFGNALSSLQGV TGQLVTNAQQQIIGTIPL
MPNPGSSQAASGTQGLVQVQPI TPQLLTNAQQQIIATVIGNQILPVINTQGITLSPIKPGQQLHQSSQTS
VGQAGTQGNLLHLAHGQAATSHSPVRQASSSSSSSSSSSALSVGQLVSNPQTAAGEVDGVNLEE IREFAK
AFKIRRLSLGLTQTQVGQAL SATEGPAYQSQAICRHTILRSHFLPQEAQENT IASSL TAKLNPGLL YPA
RFEKLDITPKSAQKIKPVLERWMAEAEARHRAGMQNLTEFIGSEPSKKRKRRTSFTPQALEILNAHFEKN
THPSGOEMTEIAEKLNDREVVRVWFCNKROALKNTIKRLKOHEPTSAAPLEPLADSP EENC

TRTRPLEOKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NM 175006

ORF Size: 2076 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_175006.1](#), [NM_175006.2](#), [NP_778171.2](#)

RefSeq Size: 2403 bp

RefSeq ORF: 2076 bp

Locus ID: 218030

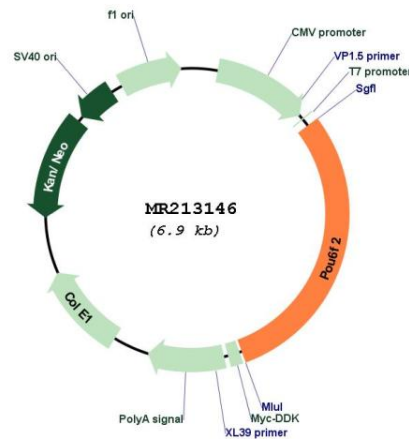
UniProt ID: [Q8BJI4](#)

Cytogenetics: 13 A2

MW: 73.4 kDa

Gene Summary: Probable transcription factor likely to be involved in early steps in the differentiation of amacrine and ganglion cells. Recognizes and binds to the DNA sequence 5'-ATGCAAAT-3' (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR213146