

Product datasheet for RR216599

Pou4f2 (NM_134355) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pou4f2 (NM_134355) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pou4f2
Synonyms:	Brn-3.2; Brn-3B; Brn3b
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR216599 representing NM_134355 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATGATGATGCCCTGAATAGCAAGCAGGCGTTCAGCATGCCTCATGCCGGCAGCCTGCATGTGGAGC
CCAAGTACTCGGCGCTGCACAGTGCCTCCCGGGTTCCTCTGCGCCCGCGGCCCTCGGCCAGTCCCC
TAGCAGCTCCAGCAACGCTGGCAGCGGGCGGGCGGGCGGGCGGGCGGGCGGGCGGGTGGTGGCGGAGGCCGG
AGCAGCAGTCCAGCAGCAGTGGCAGCGGGCGGGCGGGCGGGCGGGCGGGCGGGCGGGTGGTGGCGGAGGCCGG
GTCTTCCAACCCACCGACAATATATTCGGCGGTCTGGATGAGAGTCTGCTGGCCCGTGGCCAGGCTCT
GGCCGCGGTGGACATCGTCTCCAGAGTAAGAGCCACCACCACCATCCGCCCCACACAGCCCTTCAAG
CCGGACGCCACTTACCACACCATGAACACCATCCCGTGCACGTCTGCCGTTCTCTTATCCGTGCCCA
TCTCGACCCGTCGCTCTGGCTGGCACCACCACCATCACCACCACCACCATCACCACCACCACCAGCC
ACATCAGGCTCTGGAGGGCGAGCTGTGGAGCACCTGAGCCCCGGGCTGGCCCTGGGAGCCATGGCGGGC
CCCGACGGCACGGTGGTGTCCACTCCGGCTCACGCACCGCACATGGCCACCATGAACCCCATGCACCAAG
CAGCCCTGAGCATGGCCACGCGCACGGTCTGCCCTGCACATGGGCTGCATGAGCGACGTGGATGCAGA
CCCGCGGACCTGGAGGGTTCGCCGAGCGCTTCAAGCAGCGACGCATCAAGCTGGGAGTGACCCAGGCG
GATGTGGGTTCCGGCTGGCCAACCTCAAGATACCGGGCTAGGCTCGCTCAGCCAGAGCACCATCTGCA
GGTTTGTAGTCCCTCACGCTGTGCGACAACAACATGATCGCGCTCAAGCCCATCTGCAGGCGTGGCTGGA
GGAAGCAGAGAAATCCCACCGGAGAAGCTCACCAAGCCGAGCTTCAATGGCGGGAGAAGAAGCGC
AAGCGCACGTCCATCGCGGCGCCGAGAAGCGCTCACTGGAAGCCTACTTCGCCATCCAGCCAAGGCCCT
CCTCGGAGAAGATCGCGGCCATCGCGAGAAGCTGGATCTCAAGAAAAACGTAGTGCGGCTGTGGTCTG
CAACCAGAGGCAGAAACAGAAGAGAATGAAATACTCAGCCGCCATT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR216599 representing NM_134355
Red=Cloning site Green=Tags(s)

MMMMSLNSKQAF SMPHAGSLHVEPKYSALHSASPSSSAPAAPSASSPSSSSNAGSGGGGGGGGGGGGGGR
 SSSSSSSSGGGGGGGSEAMRRACLPTPPSNIFGGLDESL LARAEALAAVDIVSQSKSHHHHPHHPFK
 PDATYHTMNTIPCTSAASSSSVPI SHPSALAGTHHHHHHHHHHHHQP HQALEGELLEHL SPGLALGAMAG
 PDGTVVSTPAHAPHMATMNP HQAAL SMAHAHGLP SHMGCMSDVDADPRDLEAF AERFKQRRIKLGVTQA
 DVG SALANLKIPGVGSL SQSTICRFESL T LSHNMIALKPILQAWLEEA EKSHREKLT KPELFNGAEKKR
 KRTSIAAPEKRSLEAYFAIQPRP SSEKIAAIAEKLDL KKNVVRVWF CNQRQKQKRMKYSAGI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

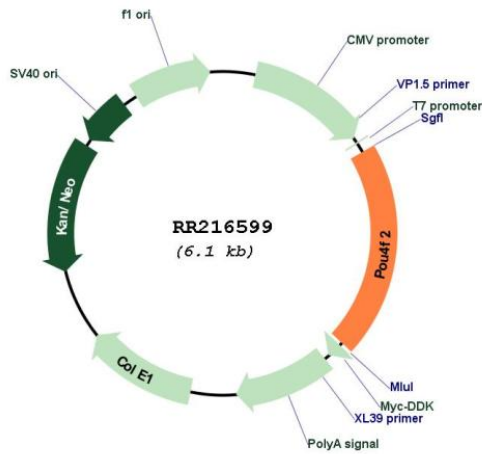
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_134355

ORF Size:	1236 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:	<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:	NM_134355.1 , NP_599182.1
RefSeq Size:	3210 bp
RefSeq ORF:	1239 bp
Locus ID:	171355
UniProt ID:	G3V7L5
Cytogenetics:	19q11
MW:	43.2 kDa
Gene Summary:	member of the POU family of transcription factors; play key roles in the development of specific neuronal cell types [RGD, Feb 2006]