

Product datasheet for MR222920

Pou5f2 (NM_029315) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pou5f2 (NM_029315) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pou5f2
Synonyms:	1700013G10Rik; SPRM-1; Sprm1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR222920 representing NM_029315 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCGGGGGAGGCTTCAAACGTCTTCCCTCTCTCAGGCAATAGTGGTGGTGGCCTGGAAGTTGACA
CCCCAACATGGTTGAGCAGCCAGGCAGCCACAAGCAGATTAATGGTGCGACCAAGTATGGGTCCAGGCAT
CTGTCCAGGCCCTGAGGTATGGGGAGTGCCTCTGGGCTCCTCACCTTATGAATCCGAGGTGGGATAGCA
CCCTACAGAGCTTGTGAGGCAAGGGCCTGGTCCCAGAGTTCCTCTGAGGATACCTGCCCAGGACCTTACA
TCGCCTTGAGATACATGCCAAATTTGGCACTGCCAGAGGACGTTTCAGCCATACAGAAAGAGATGGAGCA
GCTAGCCAAGGAACTGAGACAAAAGAGGATGACCTGGGGTACTCACAGGCCGATGTGGGATTTCGCTGTG
GGAGCTATGTTTGGGAAGTTCTCAGCCAGACGACCATATGCCGCTTCGAGGCCAGCAGCTCAGCCTTG
CCAACATGTGGAAGCTGCGACCCCTGCTGAAAATGTGGTTAGAGGAAGTAGATGAGAAGAACCTTCTGGG
CATATGCAGAAATGGAGATGATCCTGGAGCAGGCCCGGAAGCGGAGACGTGCAAGCAGAGAGAGACGCATT
GGGAGCAATCTGGAAAACTGTTCTTGCAATGTCCAGAGCCTACGCCCCAGCAAATCAGCTATATTGCTG
GGCGCCTCCGGCTGCAGAAAGACCTGGTCCAAGTGTGGTTTTCTAACCGGAGCCAGATGGGCAGTTGGCC
AACCAATGATACCTCCCGAGGGGAGGATGTGGGGCAACTGGGTCTCCTTTCCAGGTCCACCAGTGTGC
TTTCCCATGGCACCAGGGCTCCATTTTGATTTCCCCACTATGAGGGATCATGCCTTACACCCCTGTACT
CCTCTACCCCATTTCTGTACGAGGAGCCCTTTTGTCTGCCCAACCACCACTCTGGGCCCTCCCAGGCT
GTCAAGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR222920 representing NM_029315
Red=Cloning site Green=Tags(s)

MAGRSSNVFPLSGNSGGGLEVDTPWLSSQAATSRLMVRPSMGPGICPGPEVWGVPLGSSPYEFRGGIA
 PYRACEARAWSQSSSEDTCPGPYIALRYMNLALPEDVSAIQKEMEQLAKELRQKRMTLGYSQADVGFV
 GAMFGKVL SQTTCRFEAQQLSLANMWKLRPLLKMWLEEVDEKNLLGICRMEMILEQARKRRRSTRERRI
 GSNLEKFLFLQCPEPTPQQISYIAGRLRLQKDLVQVWF SNRSQMGSWPTNDTSRREDVVGATGSPFPGPVVC
 FPMAPGLHFDFPHYEGSCLTPLYSTPPFVRGALLSAPTTTLGLPRLSS

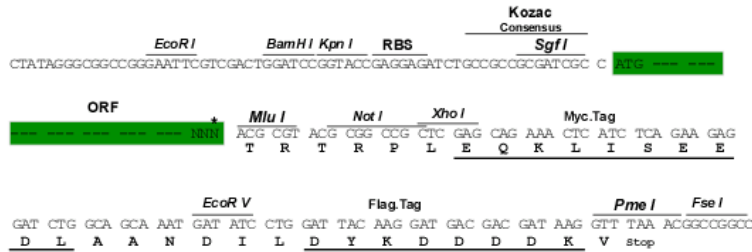
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9061_h04.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_029315

ORF Size: 987 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_029315.1](#), [NP_083591.1](#)

RefSeq Size: 1395 bp

RefSeq ORF: 990 bp

Locus ID: 75507

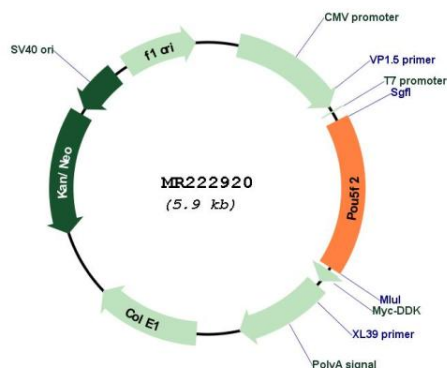
UniProt ID: [Q9DAC9](#)

Cytogenetics: 13 C1

MW: 36.4 kDa

Gene Summary: Transcription factor that binds preferentially to the octamer motif (5'-ATGTTAAT-3'). May exert a regulatory function in meiotic events that are required for terminal differentiation of male germ cell (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR222920