

Product datasheet for **MG222920**

Pou5f2 (NM_029315) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pou5f2 (NM_029315) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Pou5f2
Synonyms:	1700013G10Rik; SPRM-1; Sprm1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG222920 representing NM_029315 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCGGGGGAGGCTTCAAACGTCTTCCCTCTCTCAGGCAATAGTGGTGGTGGCCTGGAAGTTGACA
CCCCAACATGGTTGAGCAGCCAGGCAGCCACAAGCAGATTAATGGTGCGACCAAGTATGGGTCCAGGCAT
CTGTCCAGGCCCTGAGGTATGGGGAGTGCCTCTGGGCTCCTCACCTTATGAATCCGAGGTGGGATAGCA
CCCTACAGAGCTTGTGAGGCAAGGGCCTGGTCCCAGAGTTCTCTGAGGATACCTGCCCAGGACCTTACA
TCGCCTTGAGATACATGCCAAATTTGGCACTGCCAGAGGACGTTTCAGCCATACAGAAAGAGATGGAGCA
GCTAGCCAAGGAACTGAGACAAAAGAGGATGACCTGGGGTACTCACAGGCCGATGTGGGATTTCGCTGTG
GGAGCTATGTTTGGGAAGTTCTCAGCCAGACGACCATATGCCGCTTCGAGGCCAGCAGCTCAGCCTTG
CCAACATGTGGAAGCTGCGACCCCTGCTGAAAATGTGGTTAGAGGAAGTAGATGAGAAGAACCTTCTGGG
CATATGCAGAAATGGAGATGATCCTGGAGCAGGCCCGGAAGCGGAGACGTGCAAGCAGAGAGAGACGCATT
GGGAGCAATCTGGAAAACCTGTTCTTGCAATGTCCAGAGCCTACGCCAGCAATCAGCTATATTGCTG
GGCGCTCCGGCTGCAGAAAGACCTGGTCCAAGTGTGGTTTTCTAACCGGAGCCAGATGGGCAGTTGGCC
AACCAATGATACCTCCCGAGGGGAGGATGTGGGGCAACTGGGTCTCCTTTCCAGGTCCACCAGTGTGC
TTTCCCATGGCACCAGGGCTCCATTTTGATTTCCCCACTATGAGGGATCATGCCTTACACCCCTGTACT
CCTCTACCCCATTTCTGTACGAGGAGCCCTTTTGTCTGCCCAACCACCACTCTGGGCCCTCCAGGCT
GTCAAGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG222920 representing NM_029315
 Red=Cloning site Green=Tags(s)

MAGRRSSNVFPLSGNSSGGLEVDTPWLSSQAATSRLMVRPSMGPICPGPEVWGVPLGSSPYEFRGGIA
 PYRACEARAWSQSSSEDTCPGPYIALRYMPNLALPEDVSAIQKEMEQLAKELRQKRMTLGYSQADVGFV
 GAMFGKVL SQTTCRFEAQQLSLANMWKLRPLLKMWLEEVDEKNLLGICRMEMILEQARKRRRSTRERRI
 GSNLEKFLQCPEPTPQQISYIAGRLRLQKDLVQVWF SNRSQMGSWPTNDTSRREDVGVATGSPFPGPVVC
 FPMAPGLHFDFPHYEGSCLTPLYSTPFPVIRGALLSAPTTTLGLPRLSS

TRTRPLE - GFP Tag - V

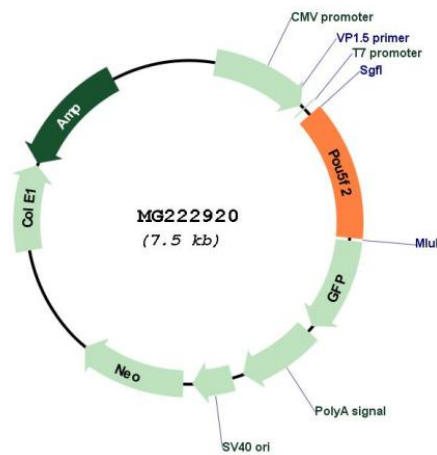
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



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:	<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_029315.1 , NP_083591.1
RefSeq Size:	1395 bp
RefSeq ORF:	990 bp
Locus ID:	75507
UniProt ID:	Q9DAC9
Cytogenetics:	13 C1
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]