

Product datasheet for **RG222567**

PRDM15 (NM_022115) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PRDM15 (NM_022115) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PRDM15
Synonyms:	C21orf83; PFM15; ZNF298
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG222567 representing NM_022115 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGCCCGCCGCCGCCCGCCCGGCTTCCGGTGCTGCGCAGTTTCCGGAGCGGATCGCAACCCGGAGTCCGG
ATCCGATCCCGCTCTGCACATTCCAAAGGCARCCGCGCGCCCGCCCGGTCCAGCCGCCATGCCGACTGTT
CTTTGTTACATTCGCCGGCTGCGGGCACCGTTGGCGATCGGAGTCAAAACCCGGCTGGATTTCCCGGAGC
CGCTCCGGGATCGCCCTGCGCGCCGCCGCCCGCCCGGGGTCTTCGCCGCCCGCCCGCGGCCCGCGGC
CCCCGCCCGCGGGCGGCGTCTGCGCCGAGGCCCGAGGGATGTCTTATCCCCGCCCTCGGGTACAGCC
CATGCGGGTTCGACGCGGGGGTCCCTGGACCCCAACCCCGCTTAGAGAAGCTGAGTCCCTGGTCCAG
ATTGGGAACAGAGGGTCACTGAGCAGCTCTTGAAACATCTCTAGGGAATGAGGTGTCCGACACTGAGC
CACTGAGCCCTGCGAGTGCAGGCCTGCGACGCAATCCTGCCCTACCTCCTGGACCTTTGCACAAAACCTT
TTCCTGGGGGAACAGGAAATCTGCCCCAGCCCTGGGGAAGATTGCGAACGAGGAGGAAGTGGGGCA
GGCAAGGCCGAATGCGGCTATGAACTGAGTCACACTTGCTAGAGCCGCACGAGATACCTTTGAACGTGA
ATACACACAAGTTCAGTGACTGTGAGTTTCCATATGAGTTTGCACGGTCTGCTTTTACCCTTCAAGCT
GCTGGGGATGAGCGGGTGGAGGGCGTGTGGAATCAGCATTCAAGAAGTGCCAGCATGCACATTTCTTA
AACCCTCAGCAACGGGCATCAGAGAAGCAGGTTGCAGGAAGGACATGCCSGTGTGAGAGATGGCTGAAG
ATGGGAGCGAAGAGATCATGTTTCTGCTGTGAAGACTGCAGCCAGTACCAGCACTCCGAATGTCCCGA
GCTGGGCCAGTGGTTCATGGTCAAAGACTCCTTTGTGTTAAGCAGGGCAAGGTCTTGGCCTGCCAGCGGA
CACGTGCACACCCAGGCGGGGAGGGGATGCGGGTTATGAGGACAGGGACAGGGCTGACCCACAGCAGC
TTCCAGAAGCAGTCCCTGCAGGCCTGGTGGGCGGCTCAGTGGGACGAGCTGCCCTGCCGTTCCACCT
CACCTGGGGAGGCTGTGCCACCTGGTGGCCAGGGCAGGTATCCCTTCTCCCACTTGGAGATCAGA
CGACTGGAAGATGGAGCCGAGGGGTGTTGCCATCACTCAGCTCGTCAAGCGGACAGATTCGGTCCCT
TTGAGTCCAGGAGGTGCGCAAATGGGAAAGGAGTCTGCATTTCCCTGAAGGTGTTCCAGAAGGACGG
GCACCCCGTGTGCTTCGACACCTCAACGAGGATGACTGCAACTGGATGATGCTGGTGGGCCAGCGGC



[View online »](#)

GAGGCCGAGCACCAGAACCTGACGGCCTACCAGCACGGCAGCGACGTGTACTTCACCACCTCCAGAGACA
 TCCCCCGGGTACCGAGCTGCGCGTGTGGTATGCGGCCTTCTATGCCAAGAAGATGGACAAGCCCATGCT
 GAAGCAGGCCGGCTCTGGCGTCCACGCTGCAGGCACCCAGAAAACAGCGCCCCCGTGGAGTCGGAGCCC
 AGCCAGTGGGCGTGTAAAGTGTGTTCTGCCACCTTCTGGAGCTGCAGCTCCTCAATGAACATCTGTTGG
 GCCACTTAGAACAAAGCCAAAAGCCTTCTCCAGGCAGCCAAAGCGAGGCAGCAGCTCCCGAGAAGGAGCA
 GGACACACCCCGGGGGGAACCCCTGCAGTGCCGAGAGCGAGAATGTTGCCACCAAGAACAGAGAAGAA
 AAGCCTCGAAGGGGGAGAAAACCCAAAGTGCCAAAGCTGAGCAGCCTCTAGTCATCGTGGAAAGACAAGG
 AACCACAGAGCAAGTGGCAGAGATCATTACCGAGGTCCCTCCGGATGAGCCTGTGAGTGCAACGCCAGA
 TGAGCGGATCATGGAGCTGGTTCTGGGGAAGCTGGCCACCACCACCACTGACACCAGCTCGGTTCCAAAG
 TTCACCCATCATCAGAATAACACCATCACGCTCAAGAGGAGCTTAATTCTCTCAAGCAGACACGGCATCC
 GGCGCAAGCTCATCAAACAGCTCGGGGAGCACAAGCGGGTTTACCAGTGAATATCTGCAGCAAGATCTT
 CCAGAACAGCAGCAACCTGAGCAGGCACGTGCGCTCGCATGGTGACAAGCTGTTTAAAGTGCAGAGAGTGT
 GCAAAATTGTTACGCCGCAAGAGAGCCTAAAGCAGCAGCTTTCCTACAAGCAGCAGGAACGAGGTGG
 ACGGCGAGTACAGGTACCGCTGCGGCACTTGTGAGAAGACCTCCGCATCGAGAGCGCGTGGAGTTCCA
 CAACTGCAGGACAGATGACAAGACGTTCCAATGTGAGATGTGTTTCAGATTCTTCTCCACCAACAGCAAC
 CTCTCCAAGCACAAGAAGAGCAGCGCGACAAGAAGTTTGCCTGTGAGGTCTGCAGCAAGATGTTCTACC
 GCAAGGACGTATGCTGGACCACCAGCGCCGGCACCTGGAAGGAGTGCGGCGAGTGAAGCGAGAGGACCT
 GGAGGCCGGTGGGGAGAACCTGGTCCGTTACAAGAAGGAGCCTTCCGGGTGCCGGTGTGTGGCAAGGTG
 TTCTCCTGCCGGAGCAATATGAACAAGCACCTGCTCACCCACGSGACAAGAAGTACACCTGCGAGATCT
 GCGGGCGCAAGTTCTTCCGCGTGGATGTGCTCAGGGACCACATCCATGTCCACTTCAAGGACATCGCGTT
 GATGGATGACCACCAGAGGAAGAGTTTATCGGCAAGATCGGGATCTCCTCGGAAGAAAACGATGACAAT
 TCTGACGAGAGCGCAGACTCGGAGCCTCACAAGTACAGCTGCAAGCGGTGCCAGCTCACCTTCGGCCGGG
 GGAAGGAGTACCTGAAGCACATCATGGAGTGCACAAGGAGAAGGGCTWTGGCTGCAGCATCTGCAACCG
 GCGCTTTGCACTGMAGGCCACCTACCACGCCACATGGTCATCCACCGTAAAACCTGCCGGACCCCAAC
 GTGCAGAAGTACATCCACCCCTGCGAGATCTGCGGGCGGATCTTCAACAGCATCGGGAACCTGGAGCGCC
 ACAAGCTCATCCACACAGGTGTGAAGAGCCACGCTGCGAGCAGTGTGGGAAGTCCTTTGCCAGGAAGGA
 CATGCTGAAGGAGCAGTGCCTGTGCACGACAACGTCCGCGAGTACCTGTGTGCCGAGTGTGGGAAAGGC
 ATGAAGACCAAGCAGCGCTGCGCCACCACATGAAGCTGCACAAGGGCATCAAGGAGTACGAGTGAAGG
 AGTGCCACCGCAGGTTCCGCGAGAAGGTCAACATGCTCAAGCACTGCAAGCGGCACACGGGGATTAAAGA
 TTTTCATGTGTGAATTGTGTGGGAAGACATTCAGCGAGAGGAACACCATGGAGACCCACAAGCTCATCCAC
 ACAGTGGCAAGCAGTGGACGTGCTCCGTGTGCGACAAGAAGTACGTGACCGAGTACATGCTGCAGAAGC
 ACGTTTCAGCTCACACACGACAAGGTGGAGGCGCAGAGCTGCCAGCTGTGCGGGACCAAGGTGTCCACCAG
 GGCTCCATGAGCCGACACATGCGGCGCAAGCACCCCGAGGTGCTCGCGGTGAGGATCGATGACCTGGAC
 CACCTCCCGGAGACCACCACCATCGACGCTCCTCCATTGGCATCGTCCAGCCTGAGCTGACTCTGGAGC
 AGGAGGATTTGGCCGAAGGGAAGCACGGGAAAGCTGCCAAGCGAAGTACAAGAGAAAGCAGAAGCCAGA
 AGAGGAGGCGGGTGTCCGGTGCCCGAGGACGCCACCTTCAGCGAATACTCAGAGAAAGAGACGGAGTTC
 ACAGGCAGTGTAGGCGACGAGACCAATTCCGCGAGTACAGAGCATTACAGAGGTAGTGGTGACCCTGGGTG
 ACCCAAATGTGACCACACCATCGAGCTCAGTCGGCTTAACCAACATCACCGTGACCCCATCACCACTGC
 GGCCGCGACTCAGTTTACCAATCTCCAGCCGGTGGCCGTGGGGCACCTTACCACCCTGAACGCCAGTTA
 CAGCTGGACAACCTCAATCCTGACCGTGACCTTTGATACCGTCAGCGGCTTGCCATGTTGACAACCGCC
 AAAATGACGTCCAGATCCACCCCGAGCCGAAGCCTCGAACCACAGTCTGTGGCCCATTTTCATCAACCT
 GACGACCTGGTCAACTCCATCACGCCCTGGGGAGCCAGCTTAGTGACCAGCACCCGCTCACGTGGCGG
 GCAGTGCCCCAGACTGACGTCTTGCCACCCTCGCAGCCGAGGCACCCACAGCAGGCGGCCAGCCCC
 AGGTGCAGGCGGAGCAGCAGCAGCAGATGTACAGCTAC

ACGCGTACGCGGCGGCTCGAG – GFP Tag – GTTTAA

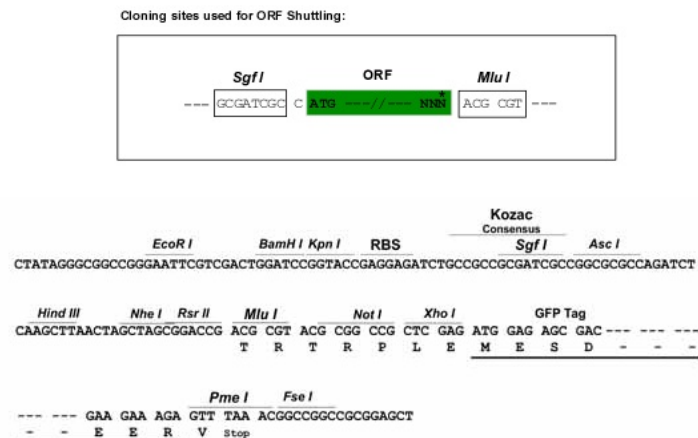
Protein Sequence: >RG222567 representing NM_022115
Red=Cloning site Green=Tags(s)

MPRRRPPASGAAQFPERIATRSPDPIPLCTFQRXPRAAPVQPPCRLFFVTFAGCGHRWRSESKPGWISRS
RSGIALRAARPPGSSPPRPAAPRPPPPGGVVAEAPGDVVIIPRPRVQPMRVARGGPWTPNPAFREAESWSQ
IGNQRVSEQLLETSLGNEVSDTEPLSPASAGLRRNPALPPGFAQNF SWGNQENLPPALGKIANGGGTGA
GKAECGYETESHLLPEHEIPLNVNTHKFSDCEFPYEFCTVCFSPFKLLGMSGVEGVWNQHSRSASMHTFL
NHSATGIREAGCRKDMXVSEMAEDGSEEIMFIWCEDCSQYHDSECPELGPVVMVKDSFVLSRARSWPASG
HVHTQAGQGMRGYEDRDRADPQQLEAVPAGLVRRLSGQQLPCRSTLTWGR LCHLVAQGRSSLPPNLEIR
RLEDGAEGVFAITQLVKRTQFGPFESRRVAKWEKESAFPLKVFKDGHVPCFDTSNEDDCNWMMLVRPAA
EAHQNL TAYQHGS DVYFTTSRDIPPGTEL RVWYAAFYAKMKDKPMLKQAGSGVHAAGTPENSAPVESEP
SQWACKVCSATFLELQLLNEHLLGHLEQAKSLPPGSQSEAAPEKEQDTPRGEPPAVPESENVATKEQKK
KPRRGRKPKVSKAEQPLVIVEDKEPTEQVAEIIIEVPPDEPV SATPDERIMELVLGKLATTTTDTSSVPK
FTHHQNTITLKRSLILSSRHGIRRLIKQLGEHKRVYQCNI CSKIFQNSSNL SRHVRSHGDKLFKCEEC
AKLFSRKESELQHVS YKHSRNEVDGEYRYRCGTCEKTFRIESALEFHNCRTDDKTFQCEMCFRFFSTNSN
LSKHKKKHGDKKFACEVCSKMFYRKDVMLDHQRRHLEGVRRVKREDLEAGGENLVRYKKEPSGCPVCGKV
FSCRSNMNKHLLTHXDKKYTCEICGRKFFRVDVLRDHIHVFKDIALMDDHQREEFIGKIGISSEENDDN
SDESADSEPHKYSCRCQLTFGRKEYLKHIMEVHKEKGXGCSICNRRFALXATYHAMV IHRENLPDPN
VQKYIHPCEICGRIFNSIGNLERHKL IHTGVKSHACEQCQKSFARKDMLKEHMRVHDNVREYLCAECGKG
MKT KHALRHMKLHKGIKEYECKECHRRAQKVNMLKHCKRHTGIKDFMCEL CGKTF SERNTMETHKLIH
TVGKQWTCVCDKKYVTEYMLQKHVQLTHDKVEAQSCQLCGTKVSTRASMSRHMRRKHPEVLAVRIDDL
HLPETTITDASSIGIVQPELTLEQEDLAEGKHGKA AKRSHKRKQKPEEEAGAPVPEDATFSEYSEKETEF
TGSVGDETNSAVQSIQQVVVTLGDPNVTTPSSSVGLTNITVTPITTAATQFTNLQP VAVGHLTPPERQL
QLDNSILTVTFDTVSGSAMLHNRQNDVQIHPQPEASNPQSVAHFINLTTLVNSITPLGSLDSDQHPLTWR
AVPQTDVLPSPQPQAPPQQAAPQVQAEQQQQQMYSY

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:

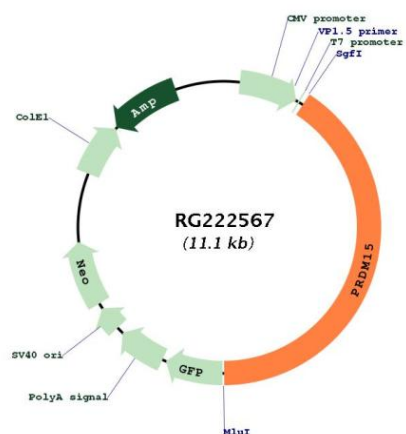


ACCN: NM_022115

ORF Size: 4521 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_022115.2 , NP_071398.2
RefSeq Size:	4710 bp
RefSeq ORF:	3624 bp
Locus ID:	63977
UniProt ID:	P57071
Cytogenetics:	21q22.3
Gene Summary:	Sequence-specific DNA-binding transcriptional regulator. Plays a role as a molecular node in a transcriptional network regulating embryonic development and cell fate decision. Stimulates the expression of upstream key transcriptional activators and repressors of the Wnt/beta-catenin and MAPK/ERK pathways, respectively, that are essential for naive pluripotency and self-renewal maintenance of embryonic stem cells (ESCs). Specifically promotes SPRY1 and RSPO1 transcription activation through recognition and direct binding of a specific DNA sequence in their promoter regions. Involved in early embryo development (By similarity). Plays also a role in induced pluripotent stem cells (iPSCs) reprogramming (PubMed:28740264).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG222567