

Product datasheet for **RG221532**

PRDM10 (NM_020228) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PRDM10 (NM_020228) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PRDM10
Synonyms:	PFM7; TRIS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG221532 representing NM_020228 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGGATTCCAAGATGAAAGCTCGCATGTGTGGCCGACATCTGCAGAGCATGAACAGAATGCCGCACAGG
TGCACTTTGTTCCGGACACAGGAACAGTGGCTCAGATTGTCTATACCGATGACCAGGTTCCGCCCCCACA
GCAGGTGGTGTACACGGCAGATGGTGCCTCTACACATCAGTGGATGGTCCAGAGCACACGCTGGTGTAC
ATCCACCCGGTGAAGCTGCACAGACTCTGTTTACAGACCCCGCCAGGTAGCTTATGTCCAACAGGATG
CTACAGCTCAGCAGGCCTCATTGCCAGTTCATAACCAGGTGCTGCCTTCATCGAGAGTGTAGATGGGTC
CGACCCCTTTGGCAACTCTGCAGACCCCTCTAGGCAGACTGGAGGCCAAAGAGGAAGAGGATGAGGATGAG
GACGAGGACACTGAGGAAGATGAGGAAGAAGACGGTGGAGACACGGATCTGGATGACTGGGAGCCAGACC
CGCCCCGGCCCTTCGACCCACACGACTTGTGGTGTGAGGAGTGCAATAACGCGCATGCTTCAGTGTGTCC
GAAGCAGCGCCCTTGCACCCGATCCCCAACCGGCCGGTGTCTACCCGGGCCAGGGCGAGCCTCCCCCTG
GTGCTCTACATAGACAGGTTTCTGGCGGGGTGTTCTCCAAGCGCGCATCCCCAAGCGCACCCAGTTTG
GCCCGTGGAGGGGCCTCTCGTCAGGGGCTCGGAGCTGAAAGACTGTTACATTCACCTCAAGGTTTCTCT
TGATAAAGGGGACAGGAAAGAAAGGATTTACATGAAGACCTATGGTTTGAGTTGTCTGATGAGACGCTT
TGTAACCTGGATGATGTTTGTACGGCCAGCCAGAATCACCTGGAGCAGAACCTGGTGGCTTACCAGTATG
GCCACCATGTGTATTATACAACCATAAAAAATGTGGAGCCCAAGCAGGAAGTGAAGGTGTGGTATGCCGC
ATCCTATGCTGAGTTCGTGAACCAGAAAATTCATGACATTTCTGAGGAAGAAAGGAAAGTTCTTCGAGAG
CAAGAGAAGAATTGGCCCTGCTATGAATGTAACCGCCGATTTATAAGCTCGGAGCAGTTGCAACAGCATC
TCAATTCTCATGATGAGAACTAGATGTGTTTAGCAGAACAAAGAGGCAGAGGAAGGGACGAGGCAAGAG
GCGATTCCGGTCCAGGTCGACGGCCGGGGCGTCTCCAAATTTATCCGCCTGGAATCACCAGCGAAAT
GGGAAAAGAGTGACGATGGGACACAGGACTTGCTACATTTTCCACAAAGGAGCAATTTGATGAGGCTG
AACCAGCCACTCTGAATGGGCTGGATCAACCAGAACAGACCACTATCCCAATCCCTCAGTGCCACAGGA
AACCCAGTCTTCCCTGGAACATGAACCAGAAACTCACACCCTGCACCTGCAGCCGACGATGAAGAGAGC



[View online »](#)

GTGGTGCCACCCAGAGCACGCTGACAGCCGACGACATGCGCAGAGCCAAGCGCATCCGATTGGAGCTGC
AGAATGCAGCTCTTCAGCATCTGTTTATTCGGAAGTCCTCCGGCCTTTTAAATGCTTGCAAGTGTGGAA
GGCCTTCGGGAAAAGGACAACTGGACCAGCACTTACGCTTCCATGGGCGGGAGGGAACTGCCCACTG
ACCTGTGATCTCTGTAAACAAGGGCTTCATCAGCAGCACATCCTTGAGAGCCACATGAAGCTCCACTCAG
ACCAGAAGACTTACTCTTGCAATTTTTGCCAGAATCCTTGACCGCCTTGATTTGTTGAAAGATCATGT
GGCCATTCATATCAATGATGGCTACTTCACCTGCCCACTTGTAAAGAACGGTCCCAGATTTTATCCAG
GTGAAAAAACACGTGCGCAGCTTCCACTCAGAAAAGATCTACCACTGCACAGAGTGTGACAAGGCCTTCT
GTCGCCCCGATAAACTGCGACTCCACATGCTCCGGCATTCCGACCGCAAAGACTTCTGTGTTCCACCTG
TGGAAGCAATTTAAGCGAAAAGACAACTACGGGAACACATGCAGAGGATGCATAATCCTGAGAGGGAG
GCCAAGAAAGCCGACCGCATCAGCCGCTCCAAGACGTTCAAGCCCCGCATCACGTCCACAGACTACGACA
GCTTCACGTTCAAGTGCCGCTGTGCATGATGGGCTTCGGCGGGCGGGCATGCTGGTAAATCACTTATC
GAAGAGACACCCAGACATGAAGATAGAAGAGGTGCCAGAGTTAACTCTACCCATCATAAAACCAATCGT
GATTACTTTTGTGAGTATTGCGATAAGGTTTATAAAAGTGCCAGCAAGCGCAAAGCCACATTCTGAAGA
ACCACCCAGGAGCAGAGCTCCACCGAGCATTCCGAAGCTCCGACCCGCTGGTCTGGAGAGCCAGACCC
CATGCTGAGCACACACCCAGCTGACGGGCACCATCGCCACCCCTCCCGTCTGCTGTCCCACTGCTCC
AAGCAGTACAGCAGCAAGACCAAGATGGTCCAGCACATTCGAAAGAAGCATCCAGAGTTCGCCCAGCTCT
CCAACACCATAACACACCACTGACGACAGCTGTGATCAGTGCCACCCAGCGGTTTTGACTACAGACAG
CGCCACTGGAGAGACTGTGGTGACGACGGACCTGCTCACCAAGCAATGACAGAACTGTCCAGACCTTA
ACGACAGACTACCGAACGCCACAAGGGGATTACAGAGAATTCACTACATCCCTGTGTCGAGTCGGCGT
CTGGCCTCCAGCAGCCTCAGCACATACAGCTGCAAGTGGTTCAAGTGGCCTCGGCCACTTCCCTCACCA
GTCACAGCAGTCCACTGTGGATGTTGGCCAGCTCCATGATCCTCAGCCCTACCCAGCAGCCATCCAG
GTGCAGCACATCCAGGTCAGCGAGCCTACCGCCTCGGCCCCGTCCTCCGCCAGGTATCTGGGCAGCCGT
TGAGTCCCTCAGCCCAGCAGGCTCAGCAGGGGCTCAGCCCTCCACATCCAGGGCAGTTCTTCCACACA
GGGGCAGGCTCTGCAGCAGCAGCAGCAGCAGCAGCAGCAATTCTCTGTGCAGCACACGTACCTGCCAGT
GCTTGGAATTCCTTCCGTGGCTATTCTGAGATTCAAATGATGACGCTTCTCCGGGTGAGTTTGTGA
TTACAGACAGTGGTGTGGCAACTCCAGTTACTACTGGCCAGGTGAAGGCGGTTACTTCGGGTCAATTATGT
GTTATCAGAAAGTCAATCAGAAATTGGAAGAAAAGCAAACCTTCTGCCCTCTCTGGTGGAGTCCAGGTGAG
CCACCTGCACACAGTGACTCCCTGGACCCCAAGCAACAGCAACAGCAGACCACAGTACATCATCA
CCACCACCACCAACGGGAACGGAAGCAGCGAAGTGCATATCACCAACCA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

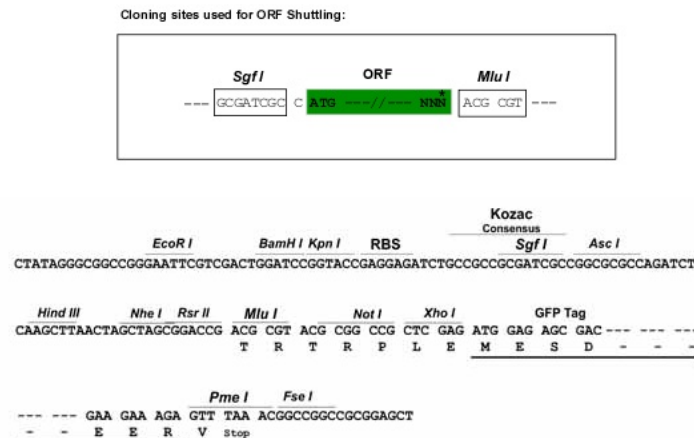
Protein Sequence: >RG221532 representing NM_020228
 Red=Cloning site Green=Tags(s)

MDSKDESSHVWPTSAEHEQNAAQVHFVPDTGTVAQIVYTDDQVRPPQVQVYTADGASYTSVDGPEHTLVY
 IHPVEAAQTLFTDPGQVAYVQDATAQQASLPVHNQVLPSEISVDGSDPLATLQTPLGRLEAKEEEDDE
 DEDTEDEEEDGEDTDLDDWEPDPPRPFDPHDLWCEECNNAHASVCPKHGPHLPINRPVLTARASLPL
 VLYIDRFLGGVFSKRRIIPKRTQFGPVEGPLVRGSELKDCYIHLKVSLDKGDRKERDLHEDLWFELSDCTL
 CNWMMFVRPAQNHLEQNLVAYQYGHVYTTIKNVEPKQELKVWYAASYAEFVNQKIHDISEEERKVLRE
 QEKNWPCYECNRRFISSEQLQQHLNSHDEKLDVFSRTRGRGRGRKRRFGPGRPPGRPPKFIIRLEITSEN
 GEKSDDGTQDLLHFTKEQFDEAEPATLNLGDQPEQTTIPIQLPQETQSSLEHEPETHTLHLQPQHEES
 VVPTQSTLTADDMRRAKRIRLELQNAALQHLFIRKSFRPFKCLQCGKAFREKDKLDQHLRFHGRENCPL
 TCDLCKNGFISSTSLESHMKLHSDQKTYSCIFCPESFDRLDLLKDHVAIHINDGYFTCPTCKRFPDFIQ
 VKKHVRSFHSKIIYQCTECKAFCRPDKLRHMLRHSRDKDFLCSTCGKQFKRKDKLREHMQRMHNPERE
 AKKADRISRSTFKPRITSTDYDSFTFKCRLCMMGFRRRGMLVNHLSKRHPDMKIEEVPETLPIIKPNR
 DYFCQYCDKVYKSASKRKAHILKNHPGAELPPSIRKLRPAGPGEPDMLSTHTQLGTIATPPVCCPHCS
 KQYSSKTMVQHIRKKHPEFAQLSNTIHTPLTTAVISATPAVLTTDSATGETVVTDTLLTQAMTELSQTL
 TTDYRTPQGDYQRIQYIPVSQSASGLQQPQHIQLQVVQVASATSPHQSQSQSTVDVGQLHDPQYPQHAIQ
 VQHIQVSEPTASAPSSAQVSGQPLSPSAQQAQQLSPSHIQGSSSTQGQALQQQQQQQNSSVQHTYLP
 AWNSFRGYSSEIQMMLTLPQGQVITDSGVATPVTGQVKAVTSGHYVLSSESQSELEEKQTSALSGGVQVE
 PPAHSDSLDPQTNSSQQTTQYIITTTTNGSGSSEVHITKP

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:

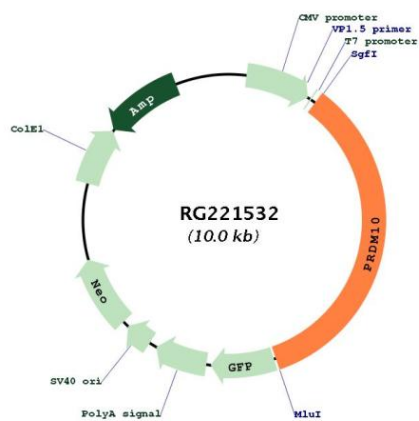


ACCN: NM_020228

ORF Size: 3480 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_020228.3
RefSeq Size:	6341 bp
RefSeq ORF:	3483 bp
Locus ID:	56980
UniProt ID:	Q9NQV6
Cytogenetics:	11q24.3
Domains:	zf-C2H2
Protein Families:	Transcription Factors
Gene Summary:	The protein encoded by this gene is a transcription factor that contains C2H2-type zinc-fingers. It also contains a positive regulatory domain, which has been found in several other zinc-finger transcription factors including those involved in B cell differentiation and tumor suppression. Studies of the mouse counterpart suggest that this protein may be involved in the development of the central nerve system (CNS), as well as in the pathogenesis of neuronal storage disease. Multiple alternatively spliced transcript variants encoding distinct isoforms have been observed. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG221532