

Product datasheet for **RC207080**

Myoneurin (MYNN) (NM_018657) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Myoneurin (MYNN) (NM_018657) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Myoneurin
Synonyms:	OSZF; SBBIZ1; ZBTB31; ZNF902
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC207080 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCAGTATTCGACCACCTGTGAGCACCTTTAGAGAGACTGAACAAACAGCGGGAAGCAGGTTTTCTCT
 GTGACTGTACCATAGTGATTGGGGAATTCAGTTTAAAGCTCATAGGAATGTGCTGGCCTCCTTTAGTGA
 GTATTTGGTGGATCTACAGAAGCACTTCTGAGAACAATGTCTTTCTTGATCAGAGTCAGGTGAAGGCT
 GATGGATTTAGAAAAGTGGAGTTTATATACACAGGAAGTTTAAATCTTGACAGTTGGAATGTTAAAG
 AAATTCATCAGGCTGCTGACTATCTCAAAGTGGAGAGGTGGTCACTAAATGCAAAATAAAGATGGAAGA
 TTTTGCTTTTATTGCTAATCCTTCTTCTACAGAGATATCTAGTATTACTGGAAACATTGAATTGAATCAA
 CAGACTGTCTTCTTACTCTGCGAGATTATAATAATCGAGAGAAATCAGAAGTATCTACAGATTTGATTC
 AGGCAAAATCCTAAACAAGGCGCTTAGCGAAAAAGTCATCTCAAACGAAAAAGAAGAAGGCTTTCAA
 CTCCTCCGAAAACAGGGCAGAATAAAACAGTGAATATCCAGTGACATCTTAGAGAATGCATCTGTTGAA
 TTATTCCTAGATGCAAAATAAAGTCCACACCTGTAGTAGAACAAGTTGCACAAATAAATGATAATTCAG
 AACTCGAGTTGACATCAGTTGTGAAAAATCTTTCCAGCACAAGATATTGTGCACACTGTTACAGTGAA
 ACGGAAACGTGAAAAATCACAGCAAACTGTGCTCTGAAAGAACACTCTATGTCTAATATAGCCAGCGTC
 AAGAGTCTTATGAGGCGGAGAACTCCGGGGAAGAGCTGGATCAGAGGATTCCAAGGCCAAGCCAATGT
 GTAACACATGTGGGAAAGTGTTCAGAAAGCCAGCAGTTTGAGAAGGCACATGAGAATACATAAAGGAGT
 CAAACCTTACGCTGCCACTTATGTGAAAGGCATTTACCAATGTAACAGCTGAAAACGCATGTAAGA
 ACTCATAACAGGTGAGAAGCCATACAAATGTGAATTGTGTGATAAAGGATTTGCTCAGAAATGCAGTAG
 TCTTCCATAGTCGCATGCATCATGGTGAAGAAAAACCCATAAAATGTGATGTATGCAACTTACAGTTTGC
 AACTTCTAGCAATCTCAAGATTCATGCAAGGAAGCATAGTGGAGAGAAGCCATATGTCTGTGATAGGTGT
 GGACAGAGATTTGCTCAAGCCAGCACACTGACCTATCATGTCCGTAGGCATACTGGAGAAAAACCTTATG
 TATGTGATACCTGTGGGAAGGCATTTGCTGTCTAGTTCTTTACTCATTCTCGAAAAACATACAGG
 TGAAAAACCATACATATGTGGTATTTGTGGGAAAGTTTTATTTCTCAGGAGAGCTCAACAAACACTTT
 CGGTCCCACATACAGGAGAAAGACATTTATCTGCGAATTATGTGAAATTTTACACAGATATTAATAAT
 TAAAGAAGCACAAAACAAAAGTCCATTCTGGTGCAGATAAAACTCTAGACTCCAGTGCAGAGGATCATA
 TTTGAGTGAACAGGATTCATACAAAAAAGTCTTTATCAGAACTATGGATGTGAAGCCTTCTGATATG
 ACTTTACCATTAGCTCTCCACTGGGACTGAGGACCATCACATGCTTCTGCCTGTCACGGATACTCAGT
 CTCTACATCAGATACATTGTTGAGGTCAACTGTGAATGGTATTCAGAACCACAGTTGATTTTTTTACA
 ACAATTATAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC207080 protein sequence
 Red=Cloning site Green=Tags(s)

MQYSHHCEHLLERLNKQREAGFLCDCTIVIGEFQFKAHRNVLASFSEYFGAIYRSTSENNVFLDQSQVKA
 DGFQKLLLEFIYTGTLNLDSWNVKEIHQAADYLKVEEVTKCKIKMEDFAFIANPSSTEISSITGNIELNQ
 QTCLLTLRDYNNREKSEVSTDLIQANPKQALAKKSSQTKKKKKAFNSPKTGQNKTVQYPSDILENASVE
 LFLDANKLPTPVVEQVAQINDNSELELTSVVENTFPAQDIVHTVTVKRKRKGSQPNCALKEHSMSNIASV
 KSPYEAENSGEELDQRYSAKPMCNCTCGKVFSEASSLRHMRIHKGVKPYVCHLCKAFTQCNQLKTHVR
 THTGEKPYKCELDKGFQKCCQLVFHSMHHEEKPYKCDVNLQFATSSNLKIHARKHSGEKPYVCDRC
 GQRFQAQSTLTYHVRHTGEKPYVCDTCGKAFVSSSLITHSRKHTGEKPYICGICGKSFISSEGLNKH
 RSHTGERPFICELCGNSYTDIKNLKHKTKVHSGADKTLDSAEHTLSEQDSIQKSPLETMDVKPSPDM
 TLPLALPLGTEDHMLLPVTDTSQSDTLRSTVNGYSEPLIFLQQLY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6333_c05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_018657

ORF Size: 1830 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_018657.5](#)

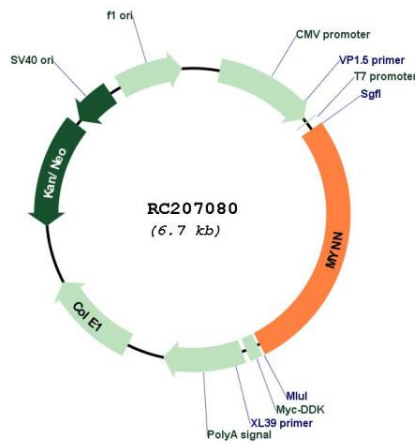
RefSeq Size: 5300 bp

RefSeq ORF: 1833 bp

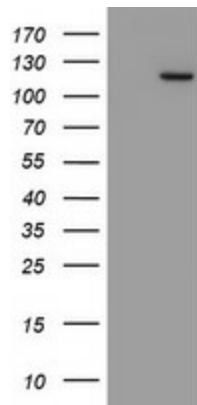
Locus ID: 55892
UniProt ID: [Q9NPC7](#)
Cytogenetics: 3q26.2
Domains: BTB, zf-C2H2
Protein Families: Transcription Factors
MW: 68.7 kDa

Gene Summary: This gene encodes a member of the BTB/POZ and zinc finger domain-containing protein family that are involved in the control of gene expression. Alternative splicing results in multiple transcript variants and a pseudogene has been identified on chromosome 14. [provided by RefSeq, Jun 2010]

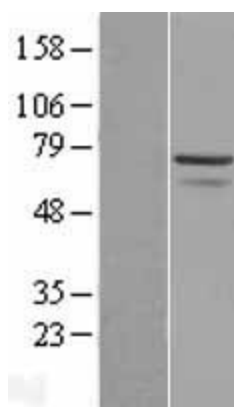
Product images:



Circular map for RC207080



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY MYNN (Cat# RC207080, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-MYNN (Cat# [TA800192]). Positive lysates [LY412964] (100ug) and [LC412964] (20ug) can be purchased separately from OriGene.



Western blot validation of overexpression lysate (Cat# [LY412964]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC207080 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).