

Product datasheet for **SC123669**

GPNMB (BC011595) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GPNMB (BC011595) Human Untagged Clone
Tag:	Tag Free
Symbol:	GPNMB
Synonyms:	glycoprotein (transmembrane) nmb; glycoprotein NMB; glycoprotein nmb-like protein; HGFIN; NMB; osteoactivin; transmembrane glycoprotein
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for BC011595 edited
 GAGGAATTCAGAGTTAAACCTTGAGTGCCTGCGTCCGTGAGAATTCAGCATGGAATGTCT
 CTAATAATTTCTGGGATTTCTGCTCCTGGCTGCAAGATTGCCACTTGATGCCGCCAAACG
 ATTTTCATGATGTGCTGGGCAATGAAAGACCTTCTGCTTACATGAGGGAGCACAATCAATT
 AAATGGCTGGTCTTCTGATGAAAATGACTGGAATGAAAACTCTACCCAGTGTGGAAGCG
 GGGAGACATGAGGTGAAAAACTCCTGGAAGGGAGGCCGTGTGCAGGCGGTCTGACCAG
 TGACTCACCAGCCCTCGTGGGCTCAAATAAACATTTGCGGTGAACCTGATATTCCCTAG
 ATGCCAAAAGGAAGATGCCAATGGCAACATAGTCTATGAGAAGAACTGCAGAAAATGAGGC
 TGGTTTATCTGCTGATCCATATGTTTACAACCTGGACAGCATGGTCAGAGGACAGTGACGG
 GAAAAATGGCACCAGGCCAAAGCCATCATAACGTCTTCCCTGATGGGAAACCTTTTCTCA
 CCACCCCGGATGGAGAAGATGGAATTTTCATCTACGTCTTCCACACACTTGGTTGGCTTTT
 ACAAAACCCTAAGCTTCTTCTTTACCTTTCCTTAAAATTTCAACCTTCTCTTTTCTTACT
 CTATAATTGAGAATGATAACACAGAGAGTTAATAACAGTCACCCTGCTAACTTTCCTTAG
 CATGAGTGAACAGTGAGAGATAAAAATGAAATCTTGGTTAACCTTGCCAAATCTCCAGGA
 CACCGAAGAGTTAAAAAGAGAGAAAAACAAAAAGATTAAGCTCTTTTTCAAAAAACAAA
 ACCACTTAATTTTTTTCTACCTAAAACCATAACAAGAAAAAATGTAACACTTATTTATT
 TGAATGGCACATGGAGACCGGGCATGTGGCTCACACTTGAATCCCAGCACCTTGGAAAGG
 CGGAGGCGGGTGGATCACCTGAAGTCAGGAGTTCAAGACCAGCCTGGCCAAATGGTGAA
 GTCCCCTCCCTACTAAAAATACAAAAATAGCCAGGTGTGGTGGTGCACCTGTAATCC
 CAGCTACTCAGGAGGCTGAGGCAGGAGAATCACTTGAATCCGGGAGGTGGAGGTTGCAGT
 GAGAGGAGATTGAGCCATTGCACTCCAGCCTGGCAACAGAGTGAGACTCCATCTCGAAA
 AACAAACAAACAAACAAAAACAGAATGGCACATTGATGAGCATTATTGATTGATTCTT
 TAGTTTTTTTATGTTCTCTAAAGAATTTTTAAGATTTAAAGACATGTGCTATTTATTT
 GTAGGAAATCCTCAGAAAAGGTACAAATAAAAAATAAAAAATTATCCATAATTAATACCAG
 AGATTATAAATTGTTAATTATTATGGTGTCTTTCTTGTAGTATTTAAGATCATTATTAAG
 ATCACATACATTTTTGCTTACTATCATTAGCATTGATGATATGATTTTTTTAATTTT
 TATACATTGTTTTAATGGCTGCACGATATTTTATTGTGTACAAATAAAATAACTACTGTT
 CCGCTTTGAAA
 AA
 AAAAAAAAAA

5' Read Nucleotide Sequence: >OriGene 5' read for BC011595 unedited
 NGTAGCGTACAAATTTTGAATACGACTNCACTATAGGNNCGGCCGNAATTCAGCATG
 GAATGTCTCTACTATTTCTGGGATTTCTGCTCCTGGCTGCAAGATTGCCACTTGATGCC
 GCCAAACGATTTTCATGATGTGCTGGGCAATGAAAGACCTTCTGCTTACATGAGGGAGCAC
 AATCAATTAATGGCTGGTCTTCTGATGAAAATGACTGGAATGAAAACTCTACCCAGTG
 TGGAAGCGGGGAGACATGAGGTGAAAAACTCCTGGAAGGGAGGCCGTGTGCAGGCGGTC
 CTGACCAGTGACTCACCAGCCCTCGTGGGCTCAAATAAACATTTGCGGTGAACCTGATA
 TTCCCTAGATGCCAAAAGGAAGATGCCAATGGCAACATAGTCTATGAGAAGAACTGCAGA
 AATGAGGCTGGTTTATCTGCTGATCCATATGTTTACAACCTGGACAGCATGGTCAGAGGAC
 AGTGACGGGAAAATGGCACCAGGCCAAAGCCATCATAACGTCTTCCCTGATGGGAAACCT
 TTTCTCACCACCCCGATGGAGAAGATGGAATTTTCATCTACGTCTTCCACACACTTGGT
 TGGCTTTTACAAACCCTAAGCTTCTTCTTTACCTTTCCTTAAAATTTCAACCTTCTCTT
 TTCTTACTCTATAATTGAGAATGATAACACAGAGAGTTAATAACAGTCACCCTGCTAACT
 TTCTTAGCATGAGTGAACAGTGAGAGATAAAATGAAATCTTGGTTAACCTTGCCAAATC
 TCCAGGACACCGAAGAGTNAANAAGAGAGAAAAACANAAGATTAAGCTCTTTTTCAAAA
 ACAAAAACATTAATTTTTTTCTACCTAAAACATAACAAGAAAA

Restriction Sites: Please inquire
ACCN: BC011595
Insert Size: 1690 bp

OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	BC011595.1 , AAH11595.1
RefSeq Size:	1690 bp
RefSeq ORF:	621 bp
Locus ID:	10457
Cytogenetics:	7p15.3
Protein Families:	Druggable Genome, Transmembrane
Gene Summary:	The protein encoded by this gene is a type I transmembrane glycoprotein which shows homology to the pMEL17 precursor, a melanocyte-specific protein. GPNMB shows expression in the lowly metastatic human melanoma cell lines and xenografts but does not show expression in the highly metastatic cell lines. GPNMB may be involved in growth delay and reduction of metastatic potential. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]