

Product datasheet for SC119065

Bombesin Receptor 3 (BRS3) (NM_001727) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Bombesin Receptor 3 (BRS3) (NM_001727) Human Untagged Clone
Tag:	Tag Free
Symbol:	Bombesin Receptor 3
Synonyms:	BB3; BB3R; BBR3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC119065 sequence for NM_001727 edited (data generated by NextGen Sequencing)

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ATGGCTCAAAGGCAGCCTCACTCACCTAATCAGACTTTAATTTCAATCACAAATGACACA
GAATCATCAAGCTCTGTGGTTTCTAACGATAACACAAATAAAGGATGGAGCGGGACAAC
TCTCCAGGAATAGAAGCATTGTGTGCCATCTATATTACTTATGCTGTGATCATTTCAAGT
GGCATCCTTGAAATGCTATTCTCATCAAAGTCTTTTTCAAGACCAAATCCATGCAAACA
GTTCCAAATATTTTCATCACCAGCCTGGCTTTTGGAGATCTTTTACTTCTGCTAACTTGT
GTGCCAGTGGATGCAACTCACTACCTTGCAGAAGGATGGCTGTTGGAAGAATTGGTTGT
AAGGTGCTCTCTTCATCCGGCTCACTTCTGTTGGTGTGTCAGTGTTCACATTAACAATT
CTCAGCGCTGACAGATAAAGGCAGTTGTGAAGCCACTTGAGCGACAGCCCTCCAATGCC
ATCCTGAAGACTTGTGTAAGCTGGCTGCGTCTGGATCGTGTCTATGATATTTGCTCTA
CCTGAGGCTATATTTCAAATGTATACACTTTTTCGAGATCCCAATAAAAAATATGACATTT
GAATCATGTACCTCTTATCCTGTCTCTAAGAAGCTCTTGAAGAAATACATTCTCTGCTG
TGCTTCTTAGTGTCTACATTATTCACCTCTCTATTATCTCTGTCTACTATTCTTGATT
GCTAGGACCCCTTACAAAAGCACCTGAACATACCTACTGAGGAACAAAGCCATGCCCGT
AAGCAGATTGAATCCCGAAAGAGAATTGCCAGAACGGTATTGGTGTGGTGGCTCTGTTT
GCCCTCTGCTGGTTGCCAAATCACCTCCTGTACCTCTACCATTCTCACTTCTCAAACC
TATGTAGACCCCTCTGCCATGCATTTTCACTTTTCACTTTTCTCTCGGGTTTTGGCTTTC
AGCAATTTCTGCGTAAACCCCTTTGCTCTACTGGCTGAGCAAAGCTTCCAGAAGCAT
TTTAAAGCTCAGTTGTTCTGTTGCAAGGCGGAGCGCCTGAGCCTCCTGTTGCTGACACC
TCTCTTACCACCCTGGCTGTGATGGGAACGGTCCCGGGCACTGGGAGCATACAGATGTCT
GAAATTAGTGTGACCTCGTTCACTGGGTGTAGTGTGAAGCAGGCAGAGGACAGATTCTAG

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Clone variation with respect to NM_001727.1



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_001727 unedited CCCCCTTCGGATTTGTATACGACTCATATGGGCGGCTGCGAATCGGCACGAGGGAGTAT CTGGATGTCTTGGATTTTCTCCATTCTGTTCTGTTCTGTTCTCCTAATACCATCTCGT TACTAGACGTAGGCATTGGACGTGACAATCAACTGCATTTGAACTGAGAAGAAGAAATAT TAAAGACACAGTCTTCAGAAGAAATGGCTCAAAGGCAGCCTCACTCACCTAATCAGACTT TAATTTCAATCACAAATGACACAGAATCATCAAGCTCTGTGGTTTCTAACGATAACACAA ATAAAGGATGGAGCGGGGACAACCTCCAGGAATAGAAGCATTGTGTGCCATCTATATTA CTTATGCTGTGATCTTTCAGTGGGCATCCTTGGAAATGCTATTCTCATCAAAGCTTTT TCAAGACCAAATCCATGCAAACAGTTCCAAATATTTTCATCACCAGCCTGGCTTTTGGAG ATCTTTTACTTCTGCTAACTTGTGTGCCAGTGGATGCAACTCACTACCTTGCAAGGAT GGCTGTTCCGGAAGAAATGGTTGTAAGGTGCTCTTTTCATCCGGCTCACTTCTGTTGGT TGTCAGTGTTCACATTAACAATTCAGCGCTGACAGATAACAAGCAGTTGTGAAGCCAC TTGAGCGACAGCCCTCAATGCCATCCTGAAGACTTGTGTAAAAGCTGGCTGCGTCTGGA TCGTGTCTATGATATTTGCTCTACCTGAGGCTATATTTTCAAATGTATACACTTTTTCGA GATCCCCATANAATATGACATTTGAATCATGTACCTCTTATCCTGTCTCTAAGCAGCTC TTGCAAGAGAACATTCTCTGCTGTGCTTCTAGTGTC</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_001727 unedited CCAATTGAGTNTGAACCGCNGNCCTTTATACTACGAGCGAGTTTTTTTTTTTTTTTTTTA AACTTTATTTTCATATTTATTTGTTTTTCCACACGTGTACAGTGTCCACTTTAAAACAAT ACTAATACAGTATCACACCCCCGCCAACTTTAAGTAAACCAATTTTACAGAAAGTTAA AGTCTAATGTTAATATGTATTACCTTTTGGAGCCACATCATTAGCAAAAAGTTCAGACTC CACAAGCCATTTAAAGAAAGCTCAGCATTACCAAAGCACAACACTTCAACATTGTTTTTTT TTTAAATACAAATTTACCTATAGTGCCAAACATGTTTAAATTTGCTCCAAAATTTTTCT GAAACCACAGGTCTAAATCTGACACGTCTATTGACAAGAGTTTTTTTTTTTTAAAACAATA ATTATTAACAAGTGAATGATGTTAGCAGGTAGGAGCACAGGATAGAAAATCAGAACTTTC CATCTGATTTCCATGGGCAGAGATTAATTAGGCCATACACTTACAGGACTTAGGCACCCA TTGGGTTTAAATAAAGTCAAGCAGGAAGATGATCTGATCACAATTGCACACCCAGGGGTTA GGGATTTTCATATGGTACTTCTGCATGTTTTTAGAAAGAGGGCACTGCTTACCAGAAAGAA ACGAATTTCTGTAAAGGAAGAATTTAGACACTGTGGCAGGTTTGCAGATTTTCAACAG AGTCTCTCAAATGACACCATAAACATGACCCTTATTCTGCCTATGAATAAGGCAAGTTC CTAACAATATTTGTGAATGATAACTTACCCAGTTATTAATTTATGGCAGTTGTAAAGTGT TGACCCAGTAAGGCAAGCACTGTGCCCCAGACCTTACTCANNGCTATATATCGCTGACTC CAACATTT</p>
Restriction Sites:	Please inquire
ACCN:	NM_001727
Insert Size:	2700 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).
OTI Annotation:	A TrueClone.
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_001727.1](#), [NP_001718.1](#)

RefSeq Size: 1413 bp

RefSeq ORF: 1200 bp

Locus ID: 680

UniProt ID: [P32247](#)

Cytogenetics: Xq26.3

Protein Families: Druggable Genome, GPCR, Transmembrane

Protein Pathways: Neuroactive ligand-receptor interaction

Gene Summary: The protein encoded by this gene is a G protein-coupled membrane receptor that binds bombesin-like peptides. This binding results in activation of a phosphatidylinositol-calcium second messenger system, with physiological effects including regulation of metabolic rate, glucose metabolism, and hypertension. [provided by RefSeq, Sep 2011]