

Product datasheet for **MG206120**

Bmp15 (NM_009757) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Bmp15 (NM_009757) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Bmp15
Synonyms:	AU015375; AU018861; AU021453; Bmp-1; Bmp-15; C86824; C87336; GDF-9B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206120 representing NM_009757 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCCTTCTCACAATTCTTAGAATTCTTTGTGGGAGTGGTCTTTTATGGAACAGAGGGTCCAAA
TGGCAAAGCCAGGGTGGCCCTCCACCGCCCTCCTTGCTGACGACCCTACATTGCCCTCAATTTGGATCT
GGCAAAGAAGCCCTGGCAAGGAGATGAAGCAATGGCCCAAGGCTATCCCTGAGGTACATGCTCAAG
TTATACCATCGTTCGGCTGACCCGCATGGCCATCAAGGGAGAACCGCACGATTGGAGCGAAAATGGTGA
GGCTGGTAAAGCCGTCGGCCAACACAGTAAGGCCTCCAGAGGTTCTGGCATGTACAGACCCTGGACTT
TCCTCTAGCATCAAACAGGTAGCGTACGAACTAATCAGAGCCACTGTGGTTTACCGCCATCAACTTCAT
CTAGTTAATTACCATCTCTCCTGCCATGTGAAACTTGGGTTCCCTAAATGCCGGACCAAGCACTTACCTT
CTTCTAAATCGGGTTCCTCAAAGCCTTCTCCCATGTCTAAAGCCTGGACAGAGATAGATATTACACATTG
TATTCAGCAGAAGCTCTGGAATCGCAAGGGACGGAGTGTCTTCGCCTCCGCTTCATGTGTCAGCAGCAA
AAAGGCAATGAGACTCGTGAGTTCGGTGGCATGGCATGACATCCTTGGATGTTGCCTTCTTGCTACTCT
ATTTCAATGACACCGATGACAGAGTTCAGGTAACCTTCTTGAAGAGGCCAAGAGGAGTAACTGATAG
GGAATCTTCTTTCTCATGCGGAGTGTCCGGCAAGCATGCAGCATTGAATCTGATGCCTCTTGCTCTTCT
CAGGAACATGATGGTCTGTAATAACCAAGTGTCCCTCCATCTTACAAGGTCAGCTCCACCACTAG
GCTGGGATCACTGGATCATTGCTCCTCGTCTATACCCCAAATTAAGTAAAGGAATCTGTAAGGATCGGGT
ATTACCCTATGGTCTCAATTCACCAACCATGCCATCATTAGAGCCTTGTCAATGAACTAGTGAATCAC
AGTGTACCTCAGCCTTCTGTGTCCTTATAATTTCTTCTATGAGCATCCTCCTGATTGAGACCAACG
GGAGTATCTGTACAAGGAGTATGAGGGTATGATTGCCAGTCTGTACATGTAGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206120 representing NM_009757
 Red=Cloning site Green=Tags(s)

MALLTILRILLWGVVLFMEQRVQMAKPGWPSTALLADDPTLPSILDLAKEAPGKEMKQWPQGYPLRYMLK
 LYHRSADPHGHPRENRTIGAKMVRLLVKPSANTVRPPRGSWHVQTLDFPLASNQVAYELIRATVVYRHQLH
 LVNYHLSCHVETWVPKCRTHLPSKSGSSKSPMSKAWTEIDI THCIQQKLNWRKGRSVLRFRMCCQQ
 KGNETREFRWHGMTSLDVAFLLLYFNDDRRVQGKLLARGQEELTDRESSFLMRSVRQACSIESDASCPS
 QEHDGSVNNQCSLHPYKVSFHQLGWDHWIAPRLYTPNYCKGICTRVLPYGLNSPNHAIISLVNELVNH
 SVPQPSCVPYNFLPMSILLIETNGSILYKEYEGMIAQSCTCR

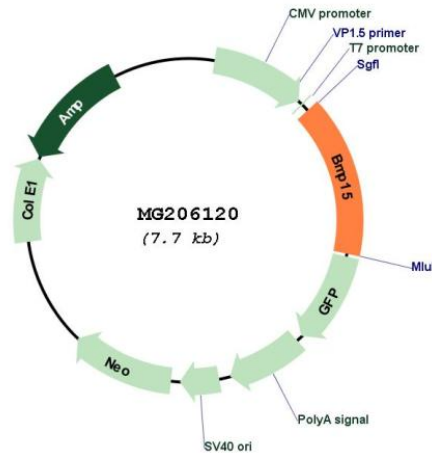
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_009757

ORF Size:	1176 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:	<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:	NM_009757.3 , NP_033887.1
RefSeq Size:	3059 bp
RefSeq ORF:	1179 bp
Locus ID:	12155
UniProt ID:	Q9Z0L4
Cytogenetics:	X 2.81 cM
Gene Summary:	This gene encodes a secreted ligand of the TGF-beta (transforming growth factor-beta) superfamily of proteins. Ligands of this family bind various TGF-beta receptors leading to recruitment and activation of SMAD family transcription factors that regulate gene expression. The encoded preproprotein is proteolytically processed to generate subunits of a disulfide-linked homodimer, or alternatively, a heterodimer, with the related protein, growth differentiation factor 9 (GDF9). This protein plays a role in oocyte maturation and follicular development, through activation of granulosa cells. Female mice lacking a functional copy of this gene exhibit impaired fertility. [provided by RefSeq, Aug 2016]