

Product datasheet for **MG207865**

Ranbp3l (BC058706) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ranbp3l (BC058706) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ranbp3l
Synonyms:	C130037N17Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MG207865 representing BC058706
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTCTACAACACAAAGGAAAGACGACAGCCACCTGTTACCAGTTCGTGCACGCGTCAGCTGCAGGTGC
 AGGAGGATCGGCAACAGCAAGAAAAATATGTCATTGCTCAGCCAATATTTGTTTTGAGAAAGGAGAACA
 CAATTTTAAGAGACCTGCAGAAGACAGCCTGGAAGAAACGGCAGAGCCTGAATCACTGGTTTCTTGAGA
 AAGCGTGAAGGTCTTCATCTGTACGCTTCATACTACAGATCCTCAGTCTCAAGGAGTGGAACATTTGT
 CTCAAACGCGTCTGAGGTCTCGTCATTCACTGATGTCCCGACCTTCCCTCCATGCAGGCCAGTGAGGAA
 AAACAATGTTTTATGACATCACGTCTGCTGCAAAGGAGTGATGACATGAACAACGTAGAGCAAGGACCC
 CCCATGAGATCTTCTGAACAGGTTCTAAGACCCGCTGTTCTGCAGCCGTCTCAAACCTCAGAGTTGTCAGA
 AAGCAGGCACAACATTTGGGCCCGGTGCATTGAAATCCTACAAAATAAGGAAAAGGCCGAGCACGAGAT
 TTCTGAAGTTGGAAGTTCTCTAGTTTACTAAGTGAAAATTTACCAAATGCCAGAAGCTCAATCCAGCTG
 TCTACTGATCCATGCATCTCAGAGGCACCATCGGGATGCCAACCAAGGAAGATAAGTGTTCTTTTACAA
 GCTGCAGTTCTGACTTCGTTTTTGGAGAAAACATGGTAGAAAGAGTTTTGGGCACTCAAAAACTTACTCA
 GCCTCCACTTCAAAATCTTTATATGCCAAGGAAAAACATTCAAATCTGTTCTGAAATTCCTAATGCT
 GTTTCAAATTCAGACTCTATTGAAAACATATCCCTAGTCGAATCAGCTGCTGCTTTTCTCCAAACCAT
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 CAACTGCAAGATCTTTGTATTCAACAAAGCCACAGAATCCTGGAGTGAAAGAGGCCAAGGGATTTTGCGA
 CTGAACGACACGGCCGGCCGAGAGTGTGGAACACTGCAGTCAAGACTAATCATGCGCAACCAAGGCAGTC
 TGAGGCTGGTCTCAACAGCAGACTCTGGGCTCAGATGAAGATTCAAAGAGCAAGTCAGAAAAATTTGCG
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 GGCTTTCTGTATGCAGCAATCCACCACCGTCTGGTCGCGCTTCGAAGCCTCGCTAAGCAGGTGACGGTG
 GTCCAGCCGAAAGCCAGTCCGATACAGCCCTCCCTCAGCTCAATGGCGAGAGCTGTGACGAGGATGAGGA
 TGAGATCGCACAAAGTCACTAAAAATGGATCAGATCCTTCAAGGTGGAGCCACAGACAGTCAATTGCTGT
 TCA

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG207865 representing BC058706
 Red=Cloning site Green=Tags(s)

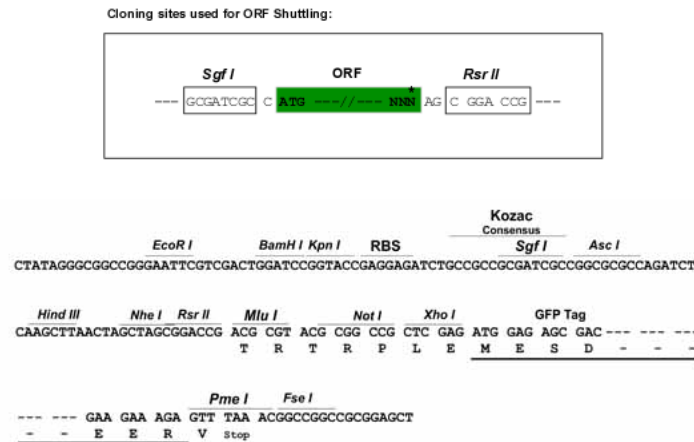
MSTTQRKDDSHLFTSSCTRQLQVQEDRQQQEKYVIAQPIFVFEKGEHNFKRPAEDSLEETAPEFTGFLR
 KRVRSSSVTLHTTDPQSQGVATLSQTRLRSSFTDVPTFPVPCRPVRKNNVFMTSRLLQRSDDMNVEQGP
 PMRSSEQVLRPAVLQPSQTQSCQKAGTTFGPGALKSYKKEKAHEISEVGSSSSLLSENLPNARSSIQL
 STDPCISEAPSGCQPKEDKCSFTSCSSDFVFGENMVERVLGTQKLTQPPLQNL SYAKEKTFKSVLKFPNA
 VSNSDSIENISLVESAAAFSSKPSQKCLLEKIDVITGEETEHNVLKINCKIFVFNKATESWSERGQGILR
 LNDTAGRECGTLQSRLIMRNQGSRLVLNSRLWAQMKIQRASQKNLRITATDLEDDGIKIFLIQASAKDT
 GFLYAAIHHRLVALRSLAKQGDGPAESQSDTALPQLNGESCEDEDEIAQVTKNGSDPSRWSHRQSIVC
 S

SGPTRRRLE – GFP Tag – V

Restriction Sites:

SgfI-RsrII

Cloning Scheme:



ACCN: BC058706

ORF Size: 1473 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [BC058706](#), [AAH58706](#)

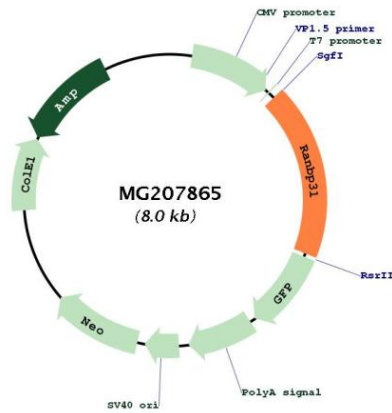
RefSeq Size: 4128 bp

RefSeq ORF: 1475 bp

Locus ID: 223332

Cytogenetics:	15 A1
Gene Summary:	Nuclear export factor for BMP-specific SMAD1/5/8 that plays a critical role in terminating BMP signaling and regulating mesenchymal stem cell differentiation by blocking osteoblast differentiation to promote myogenic differentiation. Directly recognizes dephosphorylated SMAD1/5/8 and mediates their nuclear export in a Ran-dependent manner.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG207865