

Product datasheet for **RN208463**

Ggnbp1 (NM_001009972) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ggnbp1 (NM_001009972) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ggnbp1
Synonyms:	MGC124911
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN208463 representing NM_001009972 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGCAGCCCAGGCTCGGACCCCTCGGTCTCGGATCTTAGGCTGTTCTCCATGCTGCGCTTTCTCAGAA
GCCTGGTAGGGAGTAAGGGCAGTTCTAAGAGCTCTAACAGGCCTCTGAACAGGAGCCAGCCAGCTCCTC
ACCAGAGCAGGATGTTGTCTCCCCAACGATGGGCCACAGGGAGGTTGTGGGAGGAAGGAGACCCGGCCC
AGGGTCTCTCTGCAACTTCTCTAATGGGAAGAGGGAGCCACGGCCAGGGTCTCTCTGCAGCTCCCT
CCAACCAGAGGCTGCGTGATGCCTCTGGGCTGGGCACTGGGACACAGGGTCTCAGACCCCTCACCTCCAA
GGATGTCTCTGAAGCTAAGGGCCAGGGTGTGAGGTAACATCAGTCCCTACCAGAGGAACCTGGGAGGTT
CTGGAGACCTGCCTGAGAAGAAAGGAGAGGAGGGAGAGCCAGCGGGAGAGGTCTCAGGGGCTCAGACA
GGGCGCACTTTGGCCAGGCCCTGGAGGCAGAACAGGATGCCTGCAGTGGGTTTCGGGACCAATGGTGCT
CCCCCTGAGGCCTTCATCAAGGAGGAAGAGGATGAGCACTGCCTAATTGACTTTGGAGACCTCAGACTG
TCCTCTTGCAAGGTGGGATCCACCCGTGGAATATCTCCTTGGCTTGACAAACAGCTCCAGAAGTCGG
CCATGACCAAGGCTCAGAGACCAGATGCAGATGCGCCTCAGTTTGCTCTCAAGGATAGCTCGCCACCGA
GGAGAGAGGGGAGAGAGAGGAAGCGGTGGACGAGAGCAGCCTCAAGTGGTGCGCTCCGCGCGCTCCAGC
GACGACAGCAACCTCAAGTGGTGCGCCCGCGCAACTCCACCTACCAATCGCCGCTGCAGAAGACGTTTA
GGTCCACAGACACAGTGGGTTTCGTGGAGTCAGAGCTGAAGAAGATTCTAGCAGTGAACGGGAGGCTCG
CCTCTGGAAGGTGGGCAACCCTGAGGGACGGGAGCTGCTGACCCAGCGGACATCACGCTGGAGGAGGCT
GGCATGGTGGATGGTCAGCATCTGCTCCTGGAAGAGATGGACGAGATGGGAACTGGCCCTCCGGAGT
GA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001009972
Insert Size:	1122 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:	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:	<u>NM_001009972.1, NP_001009972.1</u>
RefSeq Size:	1403 bp
RefSeq ORF:	1122 bp
Locus ID:	494520
UniProt ID:	<u>Q5J2D6</u>
Cytogenetics:	20p12
Gene Summary:	Induces mitochondrial fragmentation, possibly by promoting DNM1L-dependent fission and may play a role in mitochondrial morphogenesis during spermatogenesis.[UniProtKB/Swiss-Prot Function]