

Product datasheet for **RR215364**

Ngb (NM_033359) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ngb (NM_033359) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Ngb
Synonyms: Glnh
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR215364 representing NM_033359
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGAGCGCCTAGAGTCAGAGCTGATCCGGCAGAGCTGGCGGGCAGTGAGCCGCAGCCCTCTGGAACATG
GCACTGTCCTGTCTCCAGGCTCTTCGCCCTGGAACCCAGCCTGCTGCCTCTCTCCAGTACAATGGCCG
CCAGTTCTCCAGTCTGAGGACTGTCTCTCTCTCCAGAATTCCTGGACCACATTAGGAAGTTATGCTT
GTGATTGATGCTGCTGTGACCAACGTAGAGGACCTGTCTTCACTGGAGGAGTACCTGGCCACCTTGGGCA
GGAAGCATCGGGCAGTGGGAGTGAGGCTCAGCTCCTTCTCGACAGTAGGTGAGTCCCTGCTACATGCT
GGAGAAGTGCCTGGTCCCGACTTACGCCGGCTACAAGGACCGCCTGGAGCCAACCTACCGGAGCTGTG
GTGCAAGCCATGAGCCGAGGCTGGGACGGGGAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR215364 representing NM_033359
Red=Cloning site Green=Tags(s)

MERLESELIRQSWRAVSRSPLEHGTVLFSRLFALPESLLPLFQYNGRQFSSPEDCLSSPEFLDHIRKVML
VIDAAVTNVEDLSSLEEYLATLGRKHRAVGVRLSSFSTVGESLLYMLEKCLGPDFTPATRTAWSQLYGAV
VQAMSRGWDGE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



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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:	<u>NM_033359.3</u> , <u>NP_203523.2</u>
RefSeq Size:	1773 bp
RefSeq ORF:	456 bp
Locus ID:	85382
UniProt ID:	<u>Q99JA8</u>
Cytogenetics:	6q31
MW:	17 kDa
Gene Summary:	a porphyrin-containing protein; involved in oxygen supply of the neuron [RGD, Feb 2006]