

## Product datasheet for **RN201423**

### **Bace1 (NM\_019204) Rat Untagged Clone**

#### **Product data:**

|                    |                                      |
|--------------------|--------------------------------------|
| Product Type:      | Expression Plasmids                  |
| Product Name:      | Bace1 (NM_019204) Rat Untagged Clone |
| Tag:               | Tag Free                             |
| Symbol:            | Bace1                                |
| Synonyms:          | Bace                                 |
| Vector:            | pCMV6-Entry (PS100001)               |
| E. coli Selection: | Kanamycin (25 ug/mL)                 |
| Cell Selection:    | Neomycin                             |



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**Fully Sequenced ORF:** >RN201423 representing NM\_019204  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGGCCCCGGCGCTGCGCTGGCTCCTGCTATGGGTGGGCTCGGGAATGCTGCCTGCCAGGGAACCCATC  
TCGGTATCCGACTGCCCCCTTCGAGCGGCTGGCAGGGCCACCCCTGGGCTGAGGCTGCCCGGGAGAC  
GGACGAGGAACCTGAGGAGCCTGGCCGGAGAGGACGCTTTGTGGAGATGGTGGACAACCTGAGGGGAAAG  
TCCGGCCAGGGCTACTATGTGGAGATGACCGTGGGAGCCACAGACGCTCAACATCCTGGTGGACA  
CGGGCAGTAGTAATTTTGCAGTGGGGCTGCCACACCCCTTCTGCATCGATACTACAAAGGCAGCT  
GTCCAGTACATACCGAGACCTCCGAAAGCTGTGTATGTGCCCTACACCCAGGGCAAGTGGGAGGGGAA  
CTGGGCACTGACCTGGTGGAGCATCCCTCATGGCCCAACGTCCTGTGCGTGCCAACTTGTGCCATCA  
CTGAATCGGACAAGTTCTTCATCAATGGTTCACCTGGGAGGGCATCCTAGGGCTGGCCTATGCTGAGAT  
TGCCAGGCTGACGACTCCTGGAGCCCTTTTTGACTCCCTGGTGAAGCAGACCACATTCCGAACATC  
TTTTCCCTGCAGCTCTGTGGCGCTGGCTTCCCCCTCAACCAGACTGAGGCACTGGCTCGGTGGGAGGGA  
GCATGATCATTGGTGGTATCGACCATCCCTATACACTGGCAGTCTCTGGTACACACCCATCCGGCGGGA  
GTGGTATTATGAAGTATCATTGTACGTGTAGAAATCAATGGTCAAGATCTGAAAATGGACTGCAAGGAG  
TACAACATGACAAGAGCATCGTGGACAGTGGCACCACCAACCTTCGTTTGCCCAAGAAAGTATTTGAAG  
CTGCAGTCAAGTCCATCAAGGCAGCCTCCTCGACGGAGAAGTCCCGGATGGCTTTTGGCTAGGGGAGCA  
GCTGGTGTGCTGGCAAGCAGGCACGACCCCTTGGAAACATTTCCAGTCATTTACTTTACCTCATGGGT  
GAAGTACCAATCAGTCCCTCCGCATCACCATCCTTCTCAGCAATACCTACGGCCAGTGGAAAGATGTGG  
CCACGTCCTCAAGACGACTGTTACAAGTTCGCGTCTCACAGTCATCCACAGGCACCGTTATGGGAGCGGT  
CATCATGGAAGGCTTCTATGTGGTCTTTGATCGAGCCCGAAAGCGAATTGGCTTTGCTGTACGCGCTTGC  
CATGTGCACGATGAGTTCAGGACGGCGCAGTGGAAAGTCCGTTTGTACGGCAGACATGGAAGACTGTG  
GCTACAACATTCACAGACAGATGAGTCGACACTTATGACCATAGCCTATGTCATGGCTGCCATCTGCGC  
CCTCTTATGTTGCCACTCTGCCTCATGGTATGTCAGTGGCGCTGCCTACGCTGCCTGCGCCATCAGCAT  
GATGACTTTGCTGATGACATCTCCCTGCTGAA**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_019204

**Insert Size:** 1506 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:** [NM\\_019204.2](#), [NP\\_062077.1](#)

**RefSeq Size:** 2158 bp

**RefSeq ORF:** 1506 bp

**Locus ID:** 29392

**UniProt ID:** [P56819](#)

**Cytogenetics:** 8q22

**Gene Summary:** catalyzes the cleavage of the beta site of amyloid precursor protein; may play a role in generation of amyloid beta peptide [RGD, Feb 2006]