

Product datasheet for **RC220265**

BACE1 (NM_138972) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BACE1 (NM_138972) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	BACE1
Synonyms:	ASP2; BACE; HSPC104
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC220265 representing NM_138972
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCCAAAGCCCTGCCCTGGCTCCTGCTGTGGATGGGCGGGGAGTGCCTGCCACGGCACCCAGC
 ACGGCATCCGGCTGCCCTGCGCAGCGGCTGGGGGGCGCCCCCTGGGGCTGCGCTGCCCGGGAGAC
 CGACGAAGAGCCCGAGGAGCCCGGCCGGAGGGGACGTTTGTGGAGATGGTGGACAACTGAGGGGCAAG
 TCGGGGACAGGCTACTACGTGGAGATGACCGTGGGACGCCCCCGCAGACGCTCAACATCCTGGTGGATA
 CAGGCAGCAGTAACTTTCAGTGGGTGCTGCCCCACCCTTCTGCATCGCTACTACCAGAGGCAGCT
 GTCCAGCACATACCGGGACCTCCGGAAGGGTGTGTATGTGCCCTACACCCAGGGCAAGTGGGAAGGGGAG
 CTGGGCACCGACCTGGTAAGCATCCCCATGGCCCAACGTCCTGTGCGTGCCAACTTGTGCCATCA
 CTGAATCAGACAAGTTCTTCATCAACGGCTCCAACCTGGGAAGGCATCCTGGGGCTGGCCTATGCTGAGAT
 TGCCAGGCTTTGTGGTGTGGCTTCCCCCTCAACCACTGGAAGTGTGGCTCTGTCCGAGGGAGCATG
 ATCATTGGAGGTATCGACCACTCGCTGTACACAGGCAGTCTCTGGTATACACCCATCCGGCGGGAGTGGT
 ATTATGAGGTGATCATTGTGCGGGTGGAGATCAATGGACAGGATCTGAAAATGGACTGCAAGGAGTACAA
 CTATGACAAGAGCATTGTGGACAGTGGCACCACCAACCTTCGTTTGCCCAAGAAAGTGTGGAAGCTGCA
 GTCAAATCCATCAAGGCAGCCTCCTCCACGGAGAAGTTCCCTGATGGTTTCTGGCTAGGAGAGCAGCTGG
 TGTGCTGGCAAGCAGGCACACCCTTGGAAACATTTCCAGTCATCTACTCTACCTAATGGGTGAGGT
 TACCAACCACTCCTCCGCATCACCATCTTCCGACGAATACCTGCGGCCAGTGGAAAGTGTGGCCAGC
 TCCCAAGCAGCTGTTACAAGTTTGCCATCTCACAGTCATCCACGGGCACTGTTATGGGAGCTGTTATCA
 TGGAGGGCTTCTACGTTGCTTTGATCGGGCCCCGAAAACGAATTGGCTTGTCTGACGCTTGGCATGT
 GCACGATGAGTTCAGGACGGCAGCGGTGGAAGGCCCTTTTGTACCTTGGACATGGAAGACTGTGGCTAC
 AACATTCCACAGACAGATGAGTCAACCCTCATGACCATAGCCTATGTCATGGCTGCCATCTGCGCCCTCT
 TCATGCTGCCACTCTGCCTCATGGTGTGTGAGTGGCGCTGCCTCCGCTGCTGCGCCAGCAGCATGATGA
 CTTTGCTGATGACATCTCCCTGCTGAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC220265 representing NM_138972
 Red=Cloning site Green=Tags(s)

MAQALPWLLLWMGAGVLPAGHTQHGIPLRSLGGAPLGLRPLRETDEEPEEPGRRGSFVEMVDNLRGK
 SGQGYVEMTVGSPPQTLNILVDTGSSNFVGAAPHPFLHRYRQLSSTYRDLRGVYVPTQGWEGE
 LGTDLVSIHPGNVTVRANIAAITESDKFFINGSNWEGILGLAYAEIARLCGAGFPLNQSEVLASVGGSM
 IIGGIDHSLYTGSLWYTPIRREWYEVIVRVEINGQDLKMDCKEYNYDKSIVDSGTTNLRPLPKVFEEA
 VKSIKAASSTEKFPDGFWLGEQLVCWQAGTTPWNIFFPVISLYLMGEVTNQSFRTITLPQQYLRPVEDVAT
 SQDDCYKFAISQSSTGTMGAVIMEGFYVVFDRARKRIGFAVSACHVHDEFRTAAVEGPFVTLDMEDCGY
 NIPQTDESTLMTIAYVMAAICALFMLPLCLMVCQWRCLRCLRQQHDDFADDISLLK

TRTRPLEQ**KL**ISEEDLAANDILDYKDDDDKV

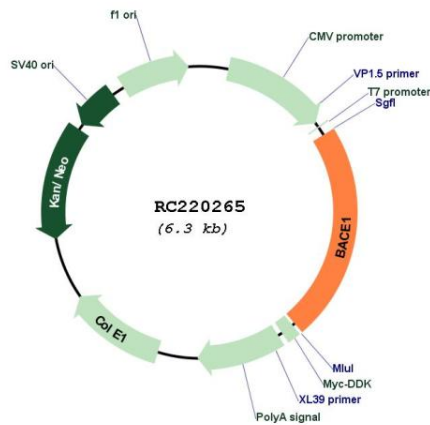
Restriction Sites:

SgfI-MluI

Cytogenetics: 11q23.3
Domains: asp
Protein Families: Druggable Genome, Protease, Transmembrane
Protein Pathways: Alzheimer's disease
MW: 48.1 kDa

Gene Summary: This gene encodes a member of the peptidase A1 family of aspartic proteases. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed to generate the mature protease. This transmembrane protease catalyzes the first step in the formation of amyloid beta peptide from amyloid precursor protein. Amyloid beta peptides are the main constituent of amyloid beta plaques, which accumulate in the brains of human Alzheimer's disease patients. [provided by RefSeq, Nov 2015]

Product images:



Circular map for RC220265