

Product datasheet for **MC200158**

Itm2b (NM_008410) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Itm2b (NM_008410) Mouse Untagged Clone
Tag: Tag Free
Symbol: Itm2b
Synonyms: AI256040; Bri; Bri2; Bricd2b; D14Sel6; E25BMM; imBRI2
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC004731 sequence for NM_008410
 CTCCGCTGCAGAGTCGTGCCCTGAGCTCGGCCGACAAGGCTGCCTTCGCAGCCGGGATCCTGCCAGCCCG
 GACCCAGCCTTCGCCGTGCGCCCTAGGGCGCCAGGCCGACCATGGTGAAGGTGACGTTCAACTCG
 GCGCTGGCCAGAAAGGAGGCAAGAAGGACGAGCCCAAGAGCAGGAGGAGCGCTCATCGTCCCTCCGG
 ATGCCGTGGCGGTGGATTGCAAGGACCCGGGTGACGTGGTTCGGTTGGACAGAGGAGAGCGTGGTGTG
 GTGCATGTGTTTCGACTGGCCTTCATGCTTGCTGGCGTCATCCTCGGAGGGCGTACCTGTACAAGTAT
 TTTGCTCTTCAGCCAGATGATGTGACTATTGTGGACTAAAGTACATCAAAGATGACGTCATCCTGAACG
 AGCCTTCTGCGGATGCCAGCTGCTCGTACCAGACAATTGAAGAGAACATTAAGATCTTTGAGGAAGA
 CGCAGTGAATTCATCAGTGTGCTGTACCAGAGTTTGGCGACAGCGATCCTGCCAACATTGTGCATGAC
 TTCAATAAGAAACTCACTGCTTATTTGGACCTAACCTGGACAAGTGCTACGTGATTCTCTGAACACTT
 CCATCGTTATGCCGCCAAAAACCTGCTGGAGCTCCTTATTAACATTAAGGCCGGGACCTACCTGCCTCA
 GTCTACCTTATCCATGAGCACATGGTGTACACCGACCGCATCGAGAACGTGGACAACCTGGGCTTCTTC
 ATCTACCGACTGTGTACGACAAGGAGACCTACAACTGCAGCGCCGGGAAACAATTAGAGGTATTCAGA
 AGCGGGAAGCCAGTAACTGTTTCACCATTCGGCATTGAGAAACAAATTTGCTGTGGAGACTTTAATTTG
 TTCTTGAGAAGTCAAGAAAAACGTGGGGAGGAATTCAATGCCACAGCATACCCTGCCCTTTGTATTTT
 GTGCAGTGATTGTTTTTAAATCTTCTTTTATGTAAGTAGCAAACAGGGCTTCACTGTCTCTTCATCT
 CAATAACTCAATAAAAACCATATCTTAAAAAAGAAAAACAAACCTTTCTTTTTCTAAGTGTGGTGT
 CTTTGATGTTTGAATTAGCAAATGTCAGGTTCTAGATAAGATTGCTTCTCTTAGAGCTTACCTACT
 AGGAAGAATCTAAATTGCTTGGAAATCACTAATCTGGATTTTGTGTTAATTCTGCATCCATGAGGGA
 AAGATGCCTAAAGAATAGTCATTCGCATATGTTAAAGGGACCACCGTGACTTGCTTGTAGACGCTAGCCC
 TGCTACCTAGTCTGTTAGCATTTGAAGTACCCTCTCTACTACTTTAATTGAAATGTGCCATCTTCA
 TGTGCTTTAACTACTTTAGAGGTTTTCAGCCCTGATGTTTAAATATCCTAGGCCTCTGCTGTAATAAGA
 TTTTAGACAAATGTTTGGAAATTAAGAAGCAACTCATGTTACTAATTTGTATAGCCCATATCTGTGGAAT
 GGAATATAAATATCACAAGCCAAAAA

Restriction Sites: RsrII-NotI



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ACCN:	NM_008410
Insert Size:	801 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:	<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:	BC004731 , AAH04731
RefSeq Size:	1577 bp
RefSeq ORF:	801 bp
Locus ID:	16432
UniProt ID:	O89051
Cytogenetics:	14 38.88 cM
Gene Summary:	Plays a regulatory role in the processing of the amyloid-beta A4 precursor protein (APP) and acts as an inhibitor of the amyloid-beta peptide aggregation and fibrils deposition. Plays a role in the induction of neurite outgrowth. Functions as a protease inhibitor by blocking access of secretases to APP cleavage sites (By similarity).[UniProtKB/Swiss-Prot Function]