

Product datasheet for MC212155

Babam2 (NM_144541) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Babam2 (NM_144541) Mouse Untagged Clone
Tag: Tag Free
Symbol: Babam2
Synonyms: 6030405P19Rik; AI429776; B830038C02Rik
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC212155 representing NM_144541
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGTCTCCAGAAATTGCCTTGAACCGAATTTCTCCAATGCTCTCCCATTATCAAGCGTGGTCCGAA
ATGGGAAGGTGGGACTGGATGCTACAACTGTTTGAGAATTACGGACTTGAAGTCTGGCTGTACATCATT
GACTCCTGGACCAACTGTGACCGCTTCAAAGTGCACATCCCGTACGCTGGGAGACGTTAAAATGGGAC
ATAATTTTCAATGCTCAGTACCCAGAGCTGCCTCCTGATTTTCATCTTTGGAGAGGATGCTGAGTTTCTGC
CAGACCCCTCTGCGCTGCACAACCTTGCCTCCTGGAACCTTCAAACCTGAGTGCTGTTGCTCGTGTT
GAAGGAGCTGGTGCAGCAGTACCACAGTTCAGTGCAGGCGCCTCCGTGAGAGCTCGCGCCTCATGTTT
GAGTACCAGACGCTCCTGGAAGAGCCTCAGTATGGAGAGAACAATGGAAATTTATGCTGGAAGAAAAACA
ACTGGACTGGTGAATTTTTCAGCTCGTTTTCTATTGAAGTTACCAGTAGATTTTTCAGCAACATTTCCACATA
CCTTCTCAAGGATGTAATGAAGACCTGGAGAAGATGTGGCCCTTTCTTCTGTCAGTTTTGAGGATACT
GAAGCTACCCAGGTGTACCCCAAGTTGTACTTGTACCCCGAATTGAGCATGCACTCGGAGGCTCCTCTG
CTCTTTCACATCCCTGCTTCCCGGAGGAGGATGTCTCATTGATTATGTGCCTCAAGTGTGCCACCTGCT
CACCAACAAGGTACAGTATGTGATTCAAGGCTATCACAAAAGAAGAGAGTACATCGAGCTTTCCTCAGT
CACTTTGGCAGGTGTCGTGGAATATGATGCAGAAGGCTTCAAAAACCTTACTCTGCTGCTGATGTGGA
AAGACTTTTGTCTTCTTCCACATTGACCTGCCCTGTTTTTCCCTCGAGATCAGCCTACGCTCACATT
TCAGTCAGTCTATCACTTTACCAACAGTGGACAGCTTTACTCCCAAGCACAAAAAACTACCCATACAGC
CCCAGATGGGATGGAATGAAATGGCCAAGAGAGCAAAGGCTTATTTCAAACCTTTGTCCTCAGTTCC
AGGAGGCCGATTTGCCAATGGAAAGCT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_144541
Insert Size:	1152 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:	<u>NM_144541.1, NP_653124.1</u>
RefSeq Size:	1299 bp
RefSeq ORF:	1152 bp
Locus ID:	107976
UniProt ID:	<u>Q8K3W0</u>
Cytogenetics:	5 B1
Gene Summary:	Component of the BRCA1-A complex, a complex that specifically recognizes 'Lys-63'-linked ubiquitinated histones H2A and H2AX at DNA lesions sites, leading to target the BRCA1-BARD1 heterodimer to sites of DNA damage at double-strand breaks (DSBs). The BRCA1-A complex also possesses deubiquitinase activity that specifically removes 'Lys-63'-linked ubiquitin on histones H2A and H2AX. In the BRCA1-A complex, it acts as an adapter that bridges the interaction between BABAM1/NBA1 and the rest of the complex, thereby being required for the complex integrity and modulating the E3 ubiquitin ligase activity of the BRCA1-BARD1 heterodimer. Probably also plays a role as a component of the BRISC complex, a multiprotein complex that specifically cleaves 'Lys-63'-linked ubiquitin (By similarity). May regulate TNF-alpha signaling through its interactions with TNFRSF1A.[UniProtKB/Swiss-Prot Function]