

Product datasheet for **MR220210L4V**

Bre (Babam2) (NM_144541) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

| | |
|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | Bre (Babam2) (NM_144541) Mouse Tagged ORF Clone Lentiviral Particle |
| Symbol: | Babam2 |
| Synonyms: | 6030405P19Rik; AI429776; B830038C02Rik |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-mGFP-P2A-Puro (PS100093) |
| Tag: | mGFP |
| ACCN: | NM_144541 |
| ORF Size: | 1152 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(MR220210). |
| OTI Disclaimer: | The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info |
| OTI Annotation: | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene. |
| RefSeq: | NM_144541.1 , NP_653124.1 |
| RefSeq Size: | 1299 bp |
| RefSeq ORF: | 1152 bp |
| Locus ID: | 107976 |
| UniProt ID: | Q8K3W0 |
| Cytogenetics: | 5 B1 |



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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]