

Product datasheet for **TP504929**

Babam1 (NM_026636) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse BRISC and BRCA1 A complex member 1 (Babam1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR204929 protein sequence Red =Cloning site Green =Tags(s)

MEVAEANSPTEEEEEEEEEGEPISEPRPHTRS NPEGAEDRALGAQANVGSRSEGE GEAATADGGAASVP
GAGPKPWQVPASASEVQIRTPRVNCPEKVIICLDLSEEMSVPKLESFNGSRTNALNVSQKMVEMFVRTKH
KIDKSHEFALVWNDDSAWLSGLTSDPRELCSCLYDLETASCSTFNLEGLFSLIQKTELPVTENVQTIP
PPYVVRTILVYSRPPCQPQFSLTEPMKMKMFQCPYFFFDIVYIHNGTEEKEEDMSWKDMFAFMGSLDTKGA
SYKYEVALAGPALELHNCMAKLLAHPLQRPCQTHSSYSLLEEDDEEAGEEEATV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	36.8 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_080912
Locus ID:	68251
UniProt ID:	Q3UI43



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RefSeq Size: 1592

Cytogenetics: 8

RefSeq ORF: 1002

Synonyms: 5430437P03Rik; Merit40

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 is required for the complex integrity and its localization at DSBs. Component of the BRISC complex, a multiprotein complex that specifically cleaves 'Lys-63'-linked ubiquitin in various substrates. In these 2 complexes, it is probably required to maintain the stability of BABAM2 and help the 'Lys-63'-linked deubiquitinase activity mediated by BRCC3/BRCC36 component. The BRISC complex is required for normal mitotic spindle assembly and microtubule attachment to kinetochores via its role in deubiquitinating NUMA1. Plays a role in interferon signaling via its role in the deubiquitination of the interferon receptor IFNAR1; deubiquitination increases IFNAR1 activity by enhancing its stability and cell surface expression. Down-regulates the response to bacterial lipopolysaccharide (LPS) via its role in IFNAR1 deubiquitination.[UniProtKB/Swiss-Prot Function]