

Product information



BABAM1, 1-329aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP2780

Full name: BRISC and BRCA1-A complex member 1

NCBI Accession No.: NP_001028721

Synonyms: C19orf62, HSPC142, MERIT40, NBA1

Description: BABAM1 is a 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. Recombinant human BABAM1 protein, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography.

Form: Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol
0.1M NaCl

Molecular Weight: 38.9 kDa(352aa) confirmed by MALDI-TOF

Purity: > 85% by SDS - PAGE

Concentration: 1 mg/ml (determined by Bradford assay)



15% SDS-PAGE (3ug)

Sequences of amino acids:

MGSSHHHHH SSGLVPRGSH MGSMEVAEPS SPTEEEEEEE EHSAEPRPRT RSNPEGAEDR AVGAQASVGS RSEGEGEAAS ADDGSLNTSG
AGPKSWQVPP PAPEVQIRTP RVNCPKVI I CLDLSEEMSL PKLESFNGSK TNALNVSQKM IEMFVRTKHK IDKSHEFALV VVNDTAWLS
GLTSDPRELC SCLYDLETAS CSTFNLEGLF SLIQKTELTP VTENVQTIPP PYVVRTILVY SRPPCQPQFS LTEPMKMKMFQ CYPYFFFDVVY
IHNGTEEKKE EMSWKDMFAF MGLSDTKGTS YKYEVALAGP ALELHNMAK LLAHPLQRPC QSHASYSLLLE EEDEAIEVEA TV

General references:

Zheng Y. *et al.* (2011) *Breast Cancer Res Treat.* 127:871-877

Solyom S. *et al.* (2010) *Breast Cancer Res Treat.* 120:165-168.

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.
Avoid repeated freezing and thawing cycles.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.



Manufactured for:

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