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## Product Data Sheet

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Product Name: BABAM1 Human  
 Cat. No.: GP22832  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	BRISC and BRCA1-A complex member 1; Mediator of RAP80 interactions and targeting subunit of 40 kDa; New component of the BRCA1-A complex; BABAM1; C19orf62; MERIT40; NBA1; HSPC142; BRISC And BRCA1 A Complex Member 1.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMEVAEPS SPTEEEEEEE EHSAEPRPRT RSNPEGAEDR AVGAQASVGS RSEGEGEAAS ADDGSLNTSG AGPKSWQVPP PAPEVQIRTP RVNCPKQVIL CLDLSEEMSL PKLESFNGSK TNALNVSQKM IEMFVRTKHK IDKSHEFALV VVNDTAWLS GLTSDPRELC SCLYDLETAS CSTFNLEGLF SLIQQKTELP VTENVQTIPP PYVVRTILVY SRPPCQPQFS LTEPMKKMFQ CPYFFFDVVY IHNGTEEKKE EMSWKDMFAF MGSLDTKGTS YKYEVALAGP ALELHNCMAK LLAHPLQRPC QSHASYLLE EEDEAIEVEA TV.		
Formulation	BABAM1 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 10% glycerol and 0.1M NaCl.		

### Introduction

BRISC And BRCA1 A Complex Member 1, also known as BABAM1, is a part of the BRCA1-A complex. The BRCA1-A complex identifies 'Lys-63'- linked ubiquitinated histones H2A and H2AX at DNA lesions sites and also holds deubiquitinase activity which removes in particular 'Lys-63'-linked ubiquitin on histones H2A and H2AX. BABAM1 is necessary to preserve the stability of BRE/BRCC45 and help the 'Lys-63'-linked deubiquitinase activity mediated by BRCC3/BRCC36 component.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1%

**Caution: Product has not been fully validated for medical applications. For research use only.**

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HSA or BSA). Please avoid freeze thaw cycles.

### Background

BABAM1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 352 amino acids (1-329 a.a.) and having a molecular mass of 38.9kDa. BABAM1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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