

## Product datasheet for AR51600PU-N

### 9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com

OriGene Technologies, Inc.

techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

# MERIT40 (1-329, His-tag) Human Protein

**Product data:** 

**Product Type: Recombinant Proteins** 

**Description:** MERIT40 (1-329, His-tag) human recombinant protein, 0.5 mg

Species: Human E. coli **Expression Host:** 

**Expression cDNA Clone** 

MGSSHHHHHH SSGLVPRGSH MGSMEVAEPS SPTEEEEEE EHSAEPRPRT RSNPEGAEDR or AA Sequence: AVGAQASVGS RSEGEGEAAS ADDGSLNTSG AGPKSWQVPP PAPEVQIRTP RVNCPEKVII

CLDLSEEMSL PKLESFNGSK TNALNVSQKM IEMFVRTKHK IDKSHEFALV VVNDDTAWLS

GLTSDPRELC SCLYDLETAS CSTFNLEGLF SLIQQKTELP VTENVQTIPP PYVVRTILVY SRPPCQPQFS

LTEPMKKMFQ CPYFFFDVVY IHNGTEEKEE EMSWKDMFAF MGSLDTKGTS YKYEVALAGP

ALELHNCMAK LLAHPLQRPC QSHASYSLLE EEDEAIEVEA TV

Tag: His-tag Predicted MW: 38.9 kDa Concentration: lot specific

**Purity:** >85% by SDS - PAGE

**Buffer:** Presentation State: Purified

State: Liquid purified protein

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.1M NaCl

Preparation: Liquid purified protein

**Protein Description:** Recombinant human BABAM1 protein, fused to His-tag at N-terminus, was expressed in E.coli

and purified by using conventional chromatography.

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid Storage:

repeated freezing and thawing.

Stability: Shelf life: one year from despatch.

RefSeq: NP 001028721

29086 Locus ID:

**UniProt ID:** Q9NWV8, A0A024R7L2

Cytogenetics: 19p13.11

Synonyms: C19orf62; HSPC142; MERIT40; NBA1

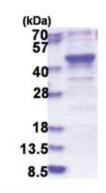




#### **Summary:**

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 (PubMed:24075985, PubMed:26195665). 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 (PubMed:26195665). 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 (PubMed:24075985). Downregulates the response to bacterial lipopolysaccharide (LPS) via its role in IFNAR1 deubiquitination (PubMed:24075985).[UniProtKB/Swiss-Prot Function]

## **Product images:**



15% SDS-PAGE (3ug)