

Product datasheet for **AR51600PU-S**

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

Product data:

Product Type:	Recombinant Proteins
Description:	MERIT40 (1-329, His-tag) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSMEVAEPS SPTEEEEEEE EHSAPRPRPT RSNPEGAEDR AVGAQASVGS RSEGEGEAAS ADDGSLNTSG AGPKSWQVPP PAPEVQIRTP RVNCPKPVII CLDLSEEMSL PKLESFNGSK TNALNVSQKM IEMFVRTKHK IDKSHEFALV VNDDTAWLS GLTSDPRELC SCLYDLETAS CSTFNLEGLF SLIQQKTELP VTENVQTIPP PYVVRTILVY SRPPCQPQFS LTEPMKKMFQ CPYFFFDVVY IHNGTEEKKEE EMSWKDMFAF MGSLDTKGTS YKYEVALAGP ALELHNCMAK LLAHPLQRPC QSHASYSLL EDEAIEVEA 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.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_001028721
Locus ID:	29086
UniProt ID:	Q9NWW8 , A0A024R7L2
Cytogenetics:	19p13.11
Synonyms:	C19orf62; HSPC142; MERIT40; NBA1



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

Product images: