

Product datasheet for **AR51600PU-N**

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

Product data:

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| Product Type: | Recombinant Proteins |
| Description: | MERIT40 (1-329, His-tag) human recombinant protein, 0.5 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 SLIQKTELP VTENVQTIPP PYVVRTILVY SRPPCQPQFS LTEPMKKMFQ CPYFFFDVVY IHNGTEEKKE EMSWKDMFAF MGS�DTKGTS 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: