Recombinant human MERIT40 protein

Catalog Number: ATGP2780

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-329aa

UniProt No.
Q9NWV8

NCBI Accession No.
NP_001028721

Alternative Names
BRISC and BRCA1-A complex member 1, C19orf62, HSPC142, MERIT40, NBA1

PRODUCT SPECIFICATION

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

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.1M NaCl

Purity
> 85% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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.

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Amino acid Sequence

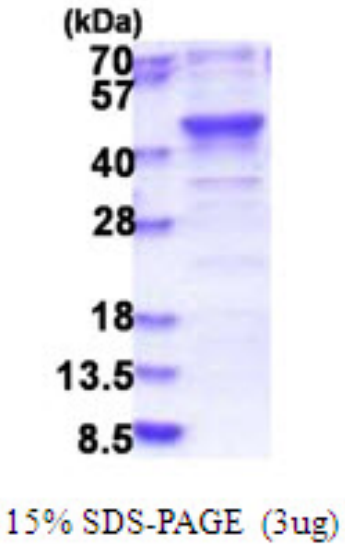
<MGSSHHHHHH SSGLVPRGSH MGS>MEVAEPS SPTEEEEEEE EHSAEPRPRT RSNPEGAEDR AVGAQASVGS RSEGEGEAAS ADDGSLNTSG AGPKSWQVPP PAPEVQIRTP RVNCPEKVII CLDLSEEMSL PKLESFNGSK TNALNVSQKM IEMFVRTKHK IDKSHEFALV VVNDDTAWLS GLTSDPRELC SCLYDLETAS CSTFNLEGLF SLIQQKTELP VTENVQTIPP PYVVRTILVY SRPPCQPQFS LTEPMKKMFQ CPYFFFDVVY IHNGTEEKEE EMSWKDMFAF MGSLDTKGTS YKYEVALAGP ALELHNCMAK LLAHPLQRPC QSHASYSLLE EEDEAIEVEA TV

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.

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.