

# Recombinant human BRMS1 protein

Catalog Number: ATGP2502

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-246aa

### UniProt No.

Q9HCU9

### NCBI Accession No.

NP\_056214.1

### Alternative Names

Breast cancer metastasis suppressor 1 isoform 1, Breast cancer metastasis suppressor 1, DKFZp564A063

## PRODUCT SPECIFICATION

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### Molecular Weight

29.9 kDa (261aa)

### Concentration

0.25mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.4M urea

### Purity

> 80% by SDS-PAGE

### Tag

T7-Tag

### Application

SDS-PAGE, Denatured

### 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

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### Description

BRMS1 reduces the metastatic potential, but not the tumorigenicity, of human breast cancer and melanoma cell lines. The protein encoded by this gene localizes primarily to the nucleus and is a component of the mSin3a family of histone deacetylase complexes (HDAC). The protein contains two coiled-coil motifs and several imperfect leucine zipper motifs. Alternative splicing results in two transcript variants encoding different isoforms. Recombinant human BRMS1 protein, fused to T7-tag at N-terminus, was expressed in E. coli.

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### Amino acid Sequence

MASMTGGQQM GRGSHMPVQP PSKDTEEMEA EGDSAAEMNG EEEEEEEERS GSQTESEEEES SEMDDEDYER  
RRSECVSEML DLEKQFSELK EKLFRERLSQ LRLRLEEVA ERAPEYTEPL GGLQRSLKIR IQVAGIYKGF CLDVIRNKYE  
CELQGAQHL ESEKLLLYDT LQELQERIQ RLEEDRQSLD LSSEWDDKL HARGSSRSWD SLPPSKRKA PLVSGPYIVY  
MLQEIDILED WTAIKKARAA VSPQKRKSDG P

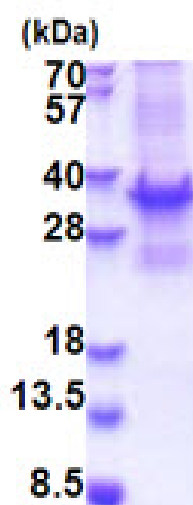
### General References

Meehan W.J., et al. (2004) J. Biol. Chem. 279:1562-1569.

## DATA

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### SDS-PAGE



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

15% SDS-PAGE (3ug)