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## Product Data Sheet

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Product Name: BRMS1 Human  
 Cat. No.: GP22898  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Breast Cancer Metastasis Suppressor 1.		
Amino Acid Sequence	MASMTGGQQM GRGSHMPVQP PSKDTEEMEA EGDSAAEMNG EEEEESEERS GSQTESEES SEMDDEDYER RRSECVSEML DLEKQFSELK EKLFRRERLSQ LRLRLEEVGA ERAPEYTEPL GGLQRSLKIR IQVAGIYKGF CLDVIRNKYE CELQGAKQHL ESEKLLLYDT LQGELQERIQ RLEEDRQSLD LSSEWWDDKL HARGSSRSWD SLPPSKRKKA PLVSGPYIVY MLQEIDILED WTAIKKARAA VSPQKRKSDG P		
Formulation	The BRMS1 solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.		

### Introduction

BRMS1 protein, a member of the mSin3a family of HDAC (histone deacetylase complexes), is mainly restricted to the nucleus. BRMS1 holds two coiled-coil motifs and a few imperfect leucine zipper motifs. BRMS1 reduces the metastatic potential, but not the tumorigenicity, of melanoma cell lines and human breast cancer. Alternative splicing creates two transcript variants encoding different isoforms.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

BRMS1 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 261 amino acids (1-246) and having a molecular mass of 29.9 kDa. BRMS1 is fused to a 15 amino acid T7-tag at N-terminus.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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