

Recombinant Mouse Brme1 Protein, Myc/DDK-tagged

Cat. No. Brme1-1422M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length RIKEN cDNA 4930432K21 gene (4930432K21Rik), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Meiotic recombination factor component of recombination bridges involved in meiotic double-strand break repair. Modulates the localization of recombinases DMC1:RAD51 to meiotic double-strand break (DSB) sites through the interaction with and stabilization of the BRCA2:HSF2BP complex during meiotic recombination. Indispensable for the DSB repair, homologous synapsis, and crossover formation that are needed for progression past metaphase I, is essential for spermatogenesis and male fertility.
Molecular Mass	64.4 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method

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Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name [Brme1 break repair meiotic recombinase recruitment factor 1 \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Brme1](#)

Synonyms Brme1; break repair meiotic recombinase recruitment factor 1; MRM; Meiok21; 4930432K21Rik; break repair meiotic recombinase recruitment factor 1; uncharacterized protein C19orf57 homolog; BRCA2 and MEILB2-associating protein 1; meiotic recombination modulator

Gene ID [74666](#)

mRNA Refseq [NM_029045](#)

Protein Refseq [NP_083321](#)

UniProt ID [Q6DIA7](#)

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