

Recombinant Mouse Brat1 Protein, Myc/DDK-tagged

Cat. No. Brat1-1813M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length BRCA1-associated ATM activator 1 (Baat1), transcript variant 1, with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	A similar gene in human encodes a Breast Cancer 1 (BRCA1) interacting protein that is involved in cell cycle checkpoint signaling. The similar human protein is localized to DNA double strand breaks caused by ionizing radiation, and regulates cellular DNA damage response through interactions with Ataxia Telangiectasia Mutated (ATM) and DNA-dependent Protein Kinase. A pseudogene of this gene is located on chromosome 3. Alternative splicing results in multiple transcript variants.
Molecular Mass	141.4 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 [Brat1 BRCA1-associated ATM activator 1 \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Brat1](#)

Synonyms Brat1; BRCA1-associated ATM activator 1; Baa; Baat1; AA881470; BRCA1-associated ATM activator 1; BRCA1-associated protein required for ATM activation protein 1

Gene ID [231841](#)

mRNA Refseq [NM_172724](#)

UniProt ID [Q8C3R1](#)

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