

# Recombinant Human BRAT1 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** BRAT1-5239H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | C7orf27 MS Standard C13 and N15-labeled recombinant protein (NP_689956) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Description</b>      | The protein encoded by this ubiquitously expressed gene interacts with the tumor suppressing BRCA1 (breast cancer 1) protein and the ATM (ataxia telangiectasia mutated) protein. ATM is thought to be a master controller of cell cycle checkpoint signalling pathways that are required for cellular responses to DNA damage such as double-strand breaks that are induced by ionizing radiation and complexes with BRCA1 in the multi-protein complex BASC (BRAC1-associated genome surveillance complex). The protein encoded by this gene is thought to play a role in the DNA damage pathway regulated by BRCA1 and ATM. |
| <b>Molecular Mass</b>   | 88 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>AA Sequence</b>      | MDPECAQLLPALCAVLVDPGQPVADDTCKLLDWFKTVTEGESSVLLQEHPCLV<br>ELLSHVLKVQDLSSGVLSFSLRLAGTFAAQENCQYLQQGELLPGLFGEPLGRAT<br>WAVPTVRSGWIQGLRSLAQHPSALRFLADHGAVDTIFSLQGDSSLFVASAASQLLVH<br>VLALSMRGGAEQPCPLPGGDWPACAQKIMDHVEESLCSAATPKVTQALNVLTTTFG<br>RCQSPWTEALWVRLSPRVACLLERDPIPAAHSFVDLLLCVARSPVFSSSDGSLWET                                                                                                                                                                                                                                                                                                                           |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

VARALSCLGPTHMGPLALGILKLEHCPQALRTQAFQVLLQPLACVLKATVQAPGPPG  
 LLDGTADDATTVDTLTLLASKSSCAGLLCRTLAHLEELQPLPQRPSWPQASLLGATVT  
 VLRLCDGSAAPASSVGGHLCGTLAGCVRVQRAALDFLGTLSQGTGPQELVTQALAV  
 LLECLESPPGSSPTVLKKAQATLRWLLSSPKTPGCSDLGPLIPQFLRELFPVLQKRLC  
 HPCWEVRDSALEFLTQLSRHWGGQADFRCALLASEVPQALALQLLDQDPESYVRASA  
 VTAMGQLSSQGLHAPTSPEHAEARQSLFLELLHILSVDSGFPFRRVMQVFTEWLR  
 DGHADAAQDTEQFVATVLQAASRDLDWEVRAQGLELALVFLGQTLGPPRTHCPYA  
 VALPEVAPAQPLTEALRALCHVGLFDFAFCALFDCDRPVAQKSCDLLLFLRDKIASYS  
 SLREARGSPNTASAEATLPRWRAGEQAQPPGDQEPEAVLAMLRLSLDLEGLRSTLAE  
 SSDHVEKSPQSLLQDMLATGGFLQGDEADCYTRTRPLEQKLISEEDLAANDILDYKD  
 DDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** BRAT1 BRCA1-associated ATM activator 1 [ Homo sapiens (human) ]

**Official Symbol** BRAT1

**Synonyms** BRAT1; BRCA1-associated ATM activator 1; BAAT1, C7orf27, chromosome 7 open reading frame 27; BRCA1 associated protein required for ATM activation protein 1;

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MGC22916; HEAT repeat-containing protein C7orf27; BRCA1-associated protein required for ATM activation protein 1; BAAT1; RMFSL; C7orf27;

**Gene ID** [221927](#)

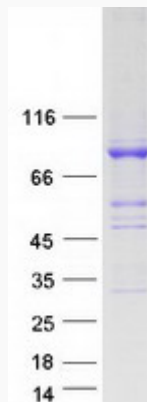
**mRNA Refseq** [NM\\_152743](#)

**Protein Refseq** [NP\\_689956](#)

**MIM** [614506](#)

**UniProt ID** [Q6PJG6](#)

**SDS-PAGE**



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