

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

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

SPECIFICATION

Product Overview	C7orf27 MS Standard C13 and N15-labeled recombinant protein (NP_689956) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	88 kDa
AA Sequence	MDPECAQLLPALCAVLVDPGQPVADDTCKLLDWFKTVTEGESSVLLQEHPCLV ELLSHVLKVQDLSSGVLSFSLRLAGTFAAQENCQYLQQGELLPGLFGEPLGRAT WAVPTVRSGWIQGLRSLAQHPSALRFLADHGAVDTIFSLQGDSSLFVASAASQLLVH VLALSMRGGAEQPCPLPGGDWPACAQKIMDHVEESLCSAATPKVTQALNVLTTTFG RCQSPWTEALWVRLSPRVACLLERDPIPAAHSFVDLLLCVARSPVFSSSDGSLWET

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VARALSCLGPTHMGPLALGILKLEHCPQALRTQAFQVLLQPLACVLKATVQAPGPPG
 LLDGTADDATTVDTLTLLASKSSCAGLLCRTLAHLEELQPLPQRPSWPQASLLGATVT
 VLRLCDGSAAPASSVGGHLCGTLAGCVRVQRAALDFLGTLSSQGTGPQELVTQALAV
 LLECLESPPGSSPTVLKKAQATLRWLLSSPKTPGCSDLGPLIPQFLRELFVVLQKRLC
 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](#)

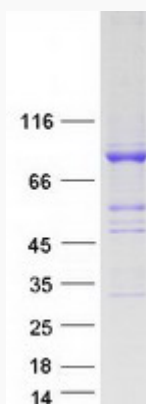
mRNA Refseq [NM_152743](#)

Protein Refseq [NP_689956](#)

MIM [614506](#)

UniProt ID [Q6PJG6](#)

SDS-PAGE



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