

Recombinant Full Length Human BRAT1 Protein, GST-tagged

Cat. No. BRAT1-2610HF Lot. No. (See product label)

SPECIFICATION

Product Overview	Human BRAT1 full-length ORF (NP_689956.1, 1 a.a. - 821 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	821 amino acids
Description	The protein encoded by this ubiquitously expressed gene interacts with the tumor suppressing BRCA1 (breast cancer 1) protein and 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. [provided by RefSeq, Mar 2012]
Molecular Mass	114.4 kDa
AA Sequence	MDPECAQLLPALCAVLVDPGQPVADDTCLEKLLDWFKTVTEGESSVLLQEHPCLV ELLSHVLKVDLSSGVLSFSLRLAGTFAAQENCFQYLQQGELLPLGLFGEPGPLGRAT WAVPTVRSGWIQGLRSLAQHPSALRFLADHGAVDTIFSLQGDSSSLFVASAASQLLVH VLALSMRGGAEQGQPCLPGGDWPACAQKIMDHVEESLCSAATPKVTQALNVLTTTTFG RCQSPWTEALWVRLSPRVACLLERDPIAAHSFVDLLLCVARSPVFSSSDGSLWET

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VARALSCLGPTHMGPLALGILKLEHCPQALRTQAFQVLLQPLACVLKATVQAPGPPG
 LLDGTADDATTVDTLASKSSCAGLLCRTLALHLEELQPLPQRPSWPQASLLGATVT
 VLRLCDGSAAPASSVGGHLCGTLGCVRVQRAALDFLGTLSQGTGPQELVTQALAV
 LLECLESPGSSPTVLKKAQATLRWLLSSPKTPGCSDLGPLIPQFLRELFVLPVLRKLC
 HPCWEVRDSALEFLTQLSRHWGGQADFRCALLASEVPQLALQLLDPESEYVRASA
 VTAMGQLSSQGLHAPTSPEHAEARQSLFLELLHILSVDSGFPFRRAVMQVFTEWLR
 DGHADAAQDTEQFVATVLQAASRDLDWEVRAQGLELALVFLGQTLGPPRTHCPYA
 VALPEVAPAQPLTEALRALCHVGLFDFAFCALFDCDRPVAQKSCDLLLFLRDKIASYS
 SLREARGSPNTASAEATLPRWRAGEQAQPPGDQEPEAVLAMLRLSLDLEGLRSTLAE
 SSDHVEKSPQSLLQDMLATGGFLQGDEADCY

Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	BRAT1 BRCA1-associated ATM activator 1 [Homo sapiens]
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; 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](#)

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