

Recombinant Human BRat 1 Protein, MYC/DDK-tagged

Cat. No. BR1-2783H Lot. No. (See product label)

SPECIFICATION

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| Product Overview | Recombinant Human BRat 1 protein, fused to MYC/DDK-tagged at C-terminus, was expressed in HEK293. |
| Species | Human |
| Source | HEK293 |
| 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. |
| Form | 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol. |
| Molecular Mass | 87.8 kDa |
| Purity | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Concentration | >50 ug/mL as determined by microplate BCA method |

GENE INFORMATION

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|------------------------|---|
| Gene Name | BRAT1 BRCA1-associated ATM activator 1 [Homo sapiens] |
| Official Symbol | BRAT1 |
| Synonyms | BAAT1; C7orf27; RMFSL |
| Gene ID | 221927 |
| mRNA Refseq | NM_152743 |
| Protein Refseq | NP_689956 |
| MIM | 614506 |
| UniProt ID | Q6PJG6 |

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