

Datasheet for ABIN7552679  
**BAAT1 Protein (AA 1-821) (His tag)**



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## Overview

Quantity:	1 mg
Target:	BAAT1 (C7orf27)
Protein Characteristics:	AA 1-821
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This BAAT1 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant BRAT1 Protein expressed in mammalian cells.
Sequence:	MDPECAQLLP ALCVAVLDPR QPVADDTCLE KLLDWFKTVT EGESSVLLQ EHPCLVELLS HVLKVQDLSS GVLSFSLRLA GTFAAQENCF QYLQQGELLP GLFGEPGLG RATWAVPTVR SGWIQGLRSL AQHPSALRFL ADHGAVDTIF SLQGDSSLFV ASAASQLLVH VLALSMRGGGA EGQPCLPGGD WPACAQKIMD HVEESLCSAA TPKVTQALNV LTTTFGRCQS PWTEALWVRL SPRVACLLER DPIPAAHSFV DLLLCVARSP VFSSSDGSLW ETVARALSCL GPTHMGPLAL GILKLEHCPQ ALRTQAFQVL LQPLACVLKA TVQAPGPPGL LDGTADDATT VDTLLASKSS CAGLLCRTLA HLEELQPLPQ RPSPWPQASL LGATVTVLRL CDGSAAPASS VGGHLCGTLA GCVRVQRAAL DFLGTLSSQGT GPQELVTQAL AVLLECLESP GSSPTVLKKA FQATLRWLLS SPKTPGCSDL GPLIPQFLRE LFPVLQKRLC HPCWEVRDSA LEFLTQLSRH WGGQADFRCA LLASEVPQLA LQLLQDPESY VRASAVTAMG QLSSQGLHAP TSPEHAEARQ SLFLELLHIL SVDSEGFP RR AVMQVFTEWL RDGHADAAQD TEQFVATVLQ AASRDLDWEV RAQGLELALV FLGQTLGPPR THCPYAVALP EVAPAQPLTE ALRALCHVGL FDFAFCALFD CDRPVAQKSC

## Product Details

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DLLLFLRDKI ASYSSLREAR GSPNTASAEA TLPRWRAGEQ AQPPGDQEPE AVLAMLRSLD  
LEGLRSTLAE SSDHVEKSPQ SLLQDMLATG GFLQGDEADC Y **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**

Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

Characteristics: Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity: > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

## Target Details

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Target: BAAT1 (C7orf27)

Alternative Name: BRAT1 (C7orf27 Products)

Background: BRCA1-associated ATM activator 1 (BRCA1-associated protein required for ATM activation protein 1),FUNCTION: Involved in DNA damage response, activates kinases ATM, SMC1A and PRKDC by modulating their phosphorylation status following ionizing radiation (IR) stress (PubMed:16452482, PubMed:22977523). Plays a role in regulating mitochondrial function and cell proliferation (PubMed:25070371). Required for protein stability of MTOR and MTOR-related proteins, and cell cycle progress by growth factors (PubMed:25657994).

## Target Details

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{ECO:0000269|PubMed:16452482, ECO:0000269|PubMed:22977523,  
ECO:0000269|PubMed:25070371, ECO:0000269|PubMed:25657994}.

Molecular Weight: 88.1 kDa

UniProt: [Q6PJG6](#)

## Application Details

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Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

## Handling

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Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months