

Product datasheet for **TP304822**

BAAT1 (BRAT1) (NM_152743) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human chromosome 7 open reading frame 27 (C7orf27), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC204822 protein sequence Red =Cloning site Green =Tags(s)

MDPECAQLLPALCAVLVDPGQPVADDDTCLEKLLDWFKTVTEGESSVLLQEHPCLVELLSHVLKVQDLSS
 GVLSFSLRLAGTFAAQENCFFQYLQQGELLPLGFGEPLGRATWAVPTVRSGWIIQGLRSLAQHPSALRFL
 ADHGAVDTIFSLQGDSSLFVASAASQLLVHVLALSMRGGAEQPCPLGGDWPACAQKIMDHVEESLCSAA
 TPKVTQALNVLTTFGRQCSPWTEALWVRLSPRVACLLERDPIAAHSFVLLLLCVARSPVFSSSDGSLW
 ETVARALSCLGPTHMGPLALGILKLEHCPQALRTQAFQVLLQPLACVLKATVQAPGPPGLDGTADDATT
 VDTLLASKSSCAGLLCRTLAHLEELQPLPQRPSWPQASLLGATVTVLRLCDGSAAPASSVGGHLCGTLA
 GCVRVQRAALDFLGTLSQGTGPQELVTQALAVLLECLESPGSSPTVLKFAFQATLRWLLSSPKTPGCSDL
 GPLIPQFLRELPVLQKRLCHPCWEVRDSALEFTQLSRHWGGQADFRCALLASEVPQLALQLLDQPESY
 VRASAVTAMGQLSSQGLHAPTSPEHAEARQSLFLELLHILSVDSSEGFPRRAVMQVFTEWLRDGHADAAQD
 TEQFVATVLQAASRDLDWEVRAQGLELALVFLGQTLGPPRTHCPYAVALPEVAPAQPLTEALRALCHVGL
 FDFAFCALFDCDRPVAQKSCDLLLFLRDKIASYSSLREARGSPNTASAEATLPRWRAGEQAQPPGDQEPE
 AVLAMLRSLDLEGLRSTLAESSDHVEKSPQSLLDMLATGGFLQGDEADCY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

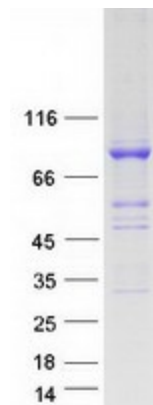
Tag:	C-Myc/DDK
Predicted MW:	87.8 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.



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Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_689956
Locus ID:	221927
UniProt ID:	Q6PJG6
RefSeq Size:	3013
Cytogenetics:	7p22.3
RefSeq ORF:	2463
Synonyms:	BAAT1; C7orf27; NEDCAS; RMFSL
Summary:	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]

Product images:



Coomassie blue staining of purified BRAT1 protein (Cat# TP304822). The protein was produced from HEK293T cells transfected with BRAT1 cDNA clone (Cat# [RC204822]) using MegaTran 2.0 (Cat# [TT210002]).