

Product datasheet for PH304822

BAAT1 (BRAT1) (NM_152743) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	C7orf27 MS Standard C13 and N15-labeled recombinant protein (NP_689956)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC204822
Predicted MW:	88 kDa
Protein Sequence:	>RC204822 protein sequence Red=Cloning site Green=Tags(s)

MDPECAQLLPALCAVLVDPGQPVADDTCKLEKLLDWFKTVTEGESSVLLQEHPCVELLSHVLKVVQDLSS
GVL SFSLRLAGTFAAQENCFQYLQQGELLPLGFEGPPLGRATWAVPTVRSQWIQGLRSLAQHPSALRFL
ADHGAVDTIFSLQGDSSLFVASAASQLLVHVLALSMRGGAEQPCPLPGDWPACAQKIMDHVEESLCSAA
TPKVTQALNVLTTTFGRQSPWTEALWVRLSPRVACLLERDPIAAHSFVLDLLCVARSPVFSSSDGSLW
ETVARALSCLGPTHMGPLALGILKLEHCPQALRTQAFQVLLQPLACVLKATVQAPGPPGLLDGTADDATT
VDTLLASKSSCAGLLCRTLAHLEELQPLPQRPSWPWPQASLLGATVTVLRLCDGSAAPASSVGGHLCGTLA
GCVRVQRAALDFLGTLSQGTGPQELVTQALAVLLECLESPGSSPTVLKKAQATLRWLLSSPKTPGCSDL
GPLIPQFLRELFPVLQKRLCHPCWEVRDSALEFLTQLSRHWGGQADFRCALLASEVPQLALQLLQDPESY
VRASAVTAMGQLSSQGLHAPTSPEHAERQSLFLELLHILSVDSGFPRAAVMQVFTEWLRDGHADAAQD
TEQFVATVLAASRDLDWEVRAQGLELALVFLGQTLGPPRTHCPYAVALPEVAPAQPLTEALRALCHVGL
FDFAFCALFDCDRPVAQKSCDLLLFLRDKIASYSSSLREARGSPNTASAEATLPRWRAGEQAQPPGDQPEP
AVLAMLRLSLDLEGLRSTLAESSDHVEKSPQSLLQDMLATGGFLQGDDEADCY

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

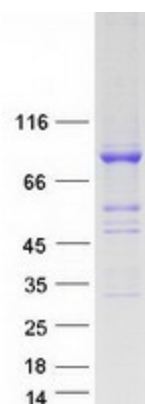
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_689956



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RefSeq Size:	3013
RefSeq ORF:	2463
Synonyms:	BAAT1; C7orf27; NEDCAS; RMFSL
Locus ID:	221927
UniProt ID:	Q6PJG6
Cytogenetics:	7p22.3
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]).