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Product datasheet for RC204822L2V

BAAT1 (BRAT1) (NM_152743) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	BAAT1 (BRAT1) (NM_152743) Human Tagged ORF Clone Lentiviral Particle
Symbol:	BAAT1
Synonyms:	BAAT1; C7orf27; NEDCAS; RMFSL
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_152743
ORF Size:	2463 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC204822).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_152743.2, NP_689956.1
RefSeq Size:	3013 bp
RefSeq ORF:	2466 bp
Locus ID:	221927
UniProt ID:	Q6PJG6
Cytogenetics:	7p22.3
MW:	88 kDa

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Gene 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]