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Product datasheet for MC219577

Baat1 (NM_172724) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Baat1 (NM_172724) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Baat1
Synonyms:	AA881470; Brat1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin

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Fully Sequenced ORF:

>MC219577 representing NM_172724
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGACCCAGAATGCTCCAGGCTCCTCCCGGCTCTCTGTGCTGTTTTGGCAGATCCCAGACAGCTGGTGG
CAGATGACACCTGCTTGGAGAAACTGCTGGACTGGTTTAAAACAGTGACAGAGGCAGAGTCTAGCCTCCA
ACTACTACAGGACCATCCCTGCTTAATGGAGCTCCTGTCCCATGTGCTGAAGCCACAGGACGTGAGCCCT
AGGGTCCTCTCCTTTGCTCTGCGCCTTGTTGGGGTCTTCGCAGCCCAGGAAGACTGTTTTGAGTACCTTC
AGCAGGGAGAGTTGTTGCTGGGGCTCTTTGGGGAGTCAGGTGCCCCCGGCTGGGCAGCCTGGAGCATCCC
AAGTGTGCGCAGCGGCTGGATCCAGGGTCTGTGCTACCTGGCACACCACCCTAGCGCCCTGCACTTCCTG
GCTGACAGTGGTGCTGTGGACACGCTCTTCTCCTTGCAGGGAGACCCCAGCCTGTTCGTCGCCTCAGCAG
CCAGCCAGCTCCTAGTACATATCCTGGCTCTGTCCATGCAAGGTGGAGCCCCAGGGTCCCCCGTCCCTGA
AGCTGCTGCTTGGCCTATGTGTGCCCAGAAGATTGTGAACCATGTGGATGAGTCCCTGCATGCCAAAGCC
ACCCCCCAGGTCACACAGGCCTTGAATGTCCTGACTACGACCTTCGGGCGCTGCCATAACCCCTGGACAG
GGGTCCTCTGGGAGCGGCTAAGTCCCCCTGTTGCCCGCCTGTTTGAGAGAGACCCCATTCCAGCCGTGCA
CGCGCTCATGGACCTTCTTCTTAGTGTGGCCAGGTCGCCTGTGTTGAATTTTGCAGCCTGTGGCCTGTGG
GAGATGCTGGCCCAGACTCTGAGCCGCCTGAGCCCCATACAAGCTGGGCCTCTAGCCCTGGGGACCCTGA
AACTTCAGCACTGTCCCCAGGAATTGAGGACCCAGGCCTTTGGAGTCCTCCTACAGCCACTGGCCTGTAT
CCTGAAAGCTACCACTCAGGCCCCTGGACCTCCAGGCTTGCTGGATGGGACTGTGGGTAGCTTGCTGACT
GTGGATATACTCTTGGCTTCAAAGTCAGCCTGTGTGGGACTCCTTTGCCAGACTCTGGCTCACCTGGAGG
AGCTGCAGATGCTGCCCCAGTGCCCCTCACCCTGGCCACAGGTGCATCTGCTGCAAGCTGCTTTGACTAT
ATTGCATCTCTGTGATGGCTCAGCGGACCCCAGCTCCAGTGCAGGAGGCCGTCTCTGTGGGACTCTGGGT
GGCTGTGTTCGTGTCCAGCGAGCAGCCCTTGACTTCTTGGGGACCCTGTCTCAGGGGACAAGCCCCCTGG
AGTTGGTTCTGGAGGTATTTGCTGTTCTCCTGAAGACCCTGGAGAGCCCAGAGTCCAGCCCCATGGTCCT
AAAGAAGGCCTTCCAGGCCACACTCAGATGGCTCCAGAACCCACACAAGACCCCCAGCAGCTCTGATCTC
AGCTCCGACGCCCTGCTGTTTCTCGGAGAGCTGTTCCCCATACTACAGAAGCGCCTATGCAGCCCATGTT
GGGAGGTGAGGGACTCTGCCCTGGAGTTCCTGACGCATCTGATCCGACACTGGGGAGGGCAGGCTGACTT
CAGAGAGGCACTGCGTTCCTCAGAAGTACCCACACTTGCCCTCCAGCTTCTCCAAGACCCAGAGAGTTAC
GTCCGAGCAAGTGCCGTGGGTGCCGCTGGGCAGCTCTCCAGCCAGGGTCTGCAGGCCGCTCCCGCTAGCC
CCGAGAACTCGCAGGCCCAACAGGTAGACACAGGGAGTTGGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_172724

Insert Size: 1794 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_172724.3, NP_766312.1
RefSeq Size:	3856 bp
RefSeq ORF:	1794 bp
Locus ID:	231841
Cytogenetics:	5 G2
Gene Summary:	A similar gene in human encodes a Breast Cancer 1 (BRCA1) interacting protein that is involved in cell cycle checkpoint signaling. The similar human protein is localized to DNA double strand breaks caused by ionizing radiation, and regulates cellular DNA damage response through interactions with Ataxia Telangiectasia Mutated (ATM) and DNA-dependent Protein Kinase. A pseudogene of this gene is located on chromosome 3. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2013]