

Product datasheet for **MR210822L4V**

Brat1 (NM_181066) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Brat1 (NM_181066) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Brat1
Synonyms:	AA881470; Baa; Baat1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_181066
ORF Size:	2466 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR210822).
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_181066.2 , NP_851411.1
RefSeq Size:	3353 bp
RefSeq ORF:	2469 bp
Locus ID:	231841
UniProt ID:	Q8C3R1
Cytogenetics:	5 G2



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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]