

Product datasheet for **RC224196L4V**

BAI1 (ADGRB1) (NM_001702) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	BAI1 (ADGRB1) (NM_001702) Human Tagged ORF Clone Lentiviral Particle
Symbol:	BAI1
Synonyms:	BAI1; GDAIF
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001702
ORF Size:	4752 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC224196).
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_001702.1
RefSeq Size:	5535 bp
RefSeq ORF:	4755 bp
Locus ID:	575
UniProt ID:	O14514
Cytogenetics:	8q24.3
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	p53 signaling pathway



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MW: 173.5 kDa

Gene Summary: Angiogenesis is controlled by a local balance between stimulators and inhibitors of new vessel growth and is suppressed under normal physiologic conditions. Angiogenesis has been shown to be essential for growth and metastasis of solid tumors. In order to obtain blood supply for their growth, tumor cells are potently angiogenic and attract new vessels as results of increased secretion of inducers and decreased production of endogenous negative regulators. BAI1 contains at least one 'functional' p53-binding site within an intron, and its expression has been shown to be induced by wildtype p53. There are two other brain-specific angiogenesis inhibitor genes, designated BAI2 and BAI3 which along with BAI1 have similar tissue specificities and structures, however only BAI1 is transcriptionally regulated by p53. BAI1 is postulated to be a member of the secretin receptor family, an inhibitor of angiogenesis and a growth suppressor of glioblastomas [provided by RefSeq, Jul 2008]