

# Product datasheet for RC217675L2

# DAAM1 (NM\_014992) Human Tagged Lenti ORF Clone

### **Product data:**

#### **OriGene Technologies, Inc.**

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Sequence: Restriction Sites: Sgfl-Mlul Cloning Scheme: Cloning sites used for ORF Shuttling: Sgf1 ORF Mlu1 ©CG ATC GCC ATG// NNN ACG CGT	Product Type:	Expression Pla	smids				
Symbol: DAAM1 Mammalian Cell None Selection: PLenti-C-mGFP (PS100071) E. coli Selection: Chloramphenicol (34 ug/mL) ORF Nucleotide The ORF insert of this clone is exactly the same as(RC217675). Sequence: Restriction Sites: Sgfl-Mlul Cloning Scheme: Coning sites used for ORF Shuttling: Loning Scheme: Loning Scheme: Loning sites used for ORF Shuttling: Loning Scheme: Loning Scheme: Loning sites used for ORF Shuttling: Loning Scheme: Loning Scheme: Loning sites used for ORF Shuttling: Loning Scheme: Loning Sch	Product Name:	DAAM1 (NM_014992) Human Tagged Lenti ORF Clone					
Mammalian Cell       None         Selection:       pLenti-C-mGFP (PS100071)         E. coli Selection:       Chloramphenicol (34 ug/mL)         ORF Nucleotide       The ORF insert of this clone is exactly the same as(RC217675).         Sequence:       Sgfl-Mlul         Cloning Scheme:       Cloning sites used for ORF Shuttling:         Sequence:       Sgfl-Mlul         Cloning Scheme:       Cloning sites used for ORF Shuttling:	Tag:	mGFP					
Selection:       pLenti-C-mGFP (PS100071)         E. coli Selection:       Chloramphenicol (34 ug/mL)         ORF Nucleotide       The ORF insert of this clone is exactly the same as(RC217675).         Sequence:       Restriction Sites:         Restriction Sites:       Sgfl-Mlul         Cloning Scheme:	Symbol:	DAAM1					
E. coli Selection: Chloramphenicol (34 ug/mL) ORF Nucleotide The ORF insert of this clone is exactly the same as(RC217675). Sequence: Sgfl-Mlul Cloning Scheme: Coning sites used for ORF Shuttling: Cloning Scheme: Cloning Scheme: Cloning sites used for ORF Shuttling: Cloning Scheme: Cloning Scheme: Cloning Scheme: Cloning Scheme Schem		None					
ORF Nucleotide       The ORF insert of this clone is exactly the same as(RC217675).         Sequence:       Restriction Sites:       Sgfl-Mlul         Cloning Scheme:       Cloning sites used for ORF Shuttling:         Cloning sites used for ORF Shuttling:	Vector:	pLenti-C-mGFF	P (PS100	071)			
Sequence: Restriction Sites: Sgfl-Mlul Cloning Scheme: Cloning sites used for ORF Shuttling: Sgf1 ORF Mlu1 GCG ATC GCC ATG/NNN ACG CGT	E. coli Selection:	Chloramphenicol (34 ug/mL)					
Cloning Scheme: Cloning sites used for ORF Shuttling: Sgf 1 ORF Mlu 1 GCG ATC GCC ATG NNN ACG CGT Kozak		The ORF insert	t of th:	is clone	is exac	tly the sa	ame as(RC217675).
Cloning sites used for ORF Shuttling: Sgf i ORF Mlu i GCG ATC GC C ATG NNN ACG CGT Kozak Contensus	<b>Restriction Sites:</b>	Sgfl-Mlul					
	Cloning Scheme:			Sgfl	ORF		
			EcoR I	BamH I	RBS	Kozak Consensus Sgf I	ORF

CTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGGATCGC C Mlul Notl\_Xhol mGFP Tag NNN ACG CGT ACG CGG CCG CTC GAG ATG AGC GGG GGC T R T R P L E M S G G Pme I - GGA CTC AGA TAA GTT TAA ACGGCCGGCCGCGG

\* The last codon before the Stop codon of the ORF.

ACCN: ORF Size: NM\_014992 3234 bp



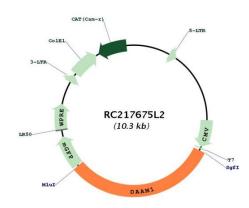
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	1 (NM_014992) Human Tagged Lenti ORF Clone – RC217675L2
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through 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. <u>More info</u>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	<ol> <li>Centrifuge at 5,000xg for 5min.</li> <li>Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>Close the tube and incubate for 10 minutes at room temperature.</li> <li>Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
RefSeq:	<u>NM 014992.1</u>
RefSeq Size:	4256 bp
RefSeq ORF:	3237 bp
Locus ID:	23002
UniProt ID:	<u>Q9Y4D1</u>
Cytogenetics:	14q23.1
Domains:	FH2
Protein Pathways:	Wnt signaling pathway
MW:	123.3 kDa
Gene Summary:	Cell motility, adhesion, cytokinesis, and other functions of the cell cortex are mediated by reorganization of the actin cytoskeleton and several formin homology (FH) proteins have been associated with these processes. The protein encoded by this gene contains two FH domains and belongs to a novel FH protein subfamily implicated in cell polarity. A key regulator of cytoskeletal architecture, the small GTPase Rho, is activated during development by Wnt/Fz signaling to control cell polarity and movement. The protein encoded by this gene is thought to function as a scaffolding protein for the Wnt-induced assembly of a disheveled (Dvl)-Rho complex. This protein also promotes the nucleation and elongation of new actin filaments and regulates cell growth through the stabilization of microtubules. Alternative splicing results in multiple transcript variants encoding distinct proteins. [provided by RefSeq,

Jul 2012]

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# **Product images:**



Circular map for RC217675L2

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