

Product datasheet for **RC206235L4V**

Silencer of Death Domain (BAG4) (NM_004874) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Silencer of Death Domain (BAG4) (NM_004874) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Silencer of Death Domain
Synonyms:	BAG-4; SODD
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_004874
ORF Size:	1371 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC206235).
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_004874.2
RefSeq Size:	4478 bp
RefSeq ORF:	1374 bp
Locus ID:	9530
UniProt ID:	O95429
Cytogenetics:	8p11.23
Domains:	BAG
Protein Families:	Druggable Genome


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MW: 49.6 kDa

Gene Summary: The protein encoded by this gene is a member of the BAG1-related protein family. BAG1 is an anti-apoptotic protein that functions through interactions with a variety of cell apoptosis and growth related proteins including BCL-2, Raf-protein kinase, steroid hormone receptors, growth factor receptors and members of the heat shock protein 70 kDa family. This protein contains a BAG domain near the C-terminus, which could bind and inhibit the chaperone activity of Hsc70/Hsp70. This protein was found to be associated with the death domain of tumor necrosis factor receptor type 1 (TNF-R1) and death receptor-3 (DR3), and thereby negatively regulates downstream cell death signaling. The regulatory role of this protein in cell death was demonstrated in epithelial cells which undergo apoptosis while integrin mediated matrix contacts are lost. Alternatively spliced transcript variants encoding distinct isoforms have been identified. [provided by RefSeq, Mar 2011]