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Product datasheet for RC205619L4V

Annexin V (ANXA5) (NM_001154) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Annexin V (ANXA5) (NM_001154) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Annexin V
Synonyms:	ANX5; ENX2; HEL-S-7; PP4; RPRGL3
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001154
ORF Size:	960 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC205619).`
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_001154.2
RefSeq Size:	1624 bp
RefSeq ORF:	963 bp
Locus ID:	308
UniProt ID:	P08758
Cytogenetics:	4q27
Domains:	annexin
MW:	35.9 kDa

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Gene Summary: The Annexin 5 gene spans 29 kb containing 13 exons, and encodes a single transcript of approximately 1.6 kb and a protein product with a molecular weight of about 35 kDa.The protein encoded by this gene belongs to the annexin family of calcium-dependent phospholipid binding proteins some of which have been implicated in membrane-related events along exocytotic and endocytotic pathways. Annexin 5 is a phospholipase A2 and protein kinase C inhibitory protein with calcium channel activity and a potential role in cellular signal transduction, inflammation, growth and differentiation. Annexin 5 has also been described as placental anticoagulant protein I, vascular anticoagulant-alpha, endonexin II, lipocortin V, placental protein 4 and anchorin CII. Polymorphisms in this gene have been implicated in various obstetric complications. [provided by RefSeq, Dec 2019]