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Product datasheet for RC206598L2V

CD42b (GP1BA) (NM_000173) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	CD42b (GP1BA) (NM_000173) Human Tagged ORF Clone Lentiviral Particle
Symbol:	CD42b
Synonyms:	BDPLT1; BDPLT3; BSS; CD42B; CD42b-alpha; DBPLT3; GP1B; GPIbA; GPIbalpha; VWDP
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_000173
ORF Size:	1878 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC206598).
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_000173.4, NP_000164.3
RefSeq Size:	2501 bp
RefSeq ORF:	1959 bp
Locus ID:	2811
UniProt ID:	P07359
Cytogenetics:	17p13.2
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	ECM-receptor interaction, Hematopoietic cell lineage

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MW: 69 kDa

Gene Summary: Glycoprotein Ib (GP Ib) is a platelet surface membrane glycoprotein composed of a heterodimer, an alpha chain and a beta chain, that is linked by disulfide bonds. The Gp Ib functions as a receptor for von Willebrand factor (VWF). The complete receptor complex includes noncovalent association of the alpha and beta subunits with platelet glycoprotein IX and platelet glycoprotein V. The binding of the GP Ib-IX-V complex to VWF facilitates initial platelet adhesion to vascular subendothelium after vascular injury, and also initiates signaling events within the platelet that lead to enhanced platelet activation, thrombosis, and hemostasis. This gene encodes the alpha subunit. Mutations in this gene result in Bernard-Soulier syndromes and platelet-type von Willebrand disease. The coding region of this gene is known to contain a polymophic variable number tandem repeat (VNTR) domain that is associated with susceptibility to nonarteritic anterior ischemic optic neuropathy. [provided by RefSeq, Oct 2013]