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Product datasheet for TL312547V

Glycophorin C (GYPC) Human shRNA Lentiviral Particle (Locus ID 2995)

Product data:

Product Type:	shRNA Lentiviral Particles
Product Name:	Glycophorin C (GYPC) Human shRNA Lentiviral Particle (Locus ID 2995)
Locus ID:	2995
Synonyms:	CD236; CD236R; GE; GE:GPC:GPD:GYPD; GPC; GPD; GYPD; PAS-2; PAS-2'
Vector:	pGFP-C-shLenti (TR30023)
Format:	Lentiviral particles
Components:	GYPC - Human shRNA lentiviral particles (4 unique 29mer target-specific shRNA, 1 scramble control), 0.5 ml each, >10^7 TU/ml.
RefSeq:	NM_001256584, NM_002101, NM_016815, NM_002101.1, NM_002101.2, NM_002101.3, NM_016815.1, NM_016815.2, NM_016815.3, NM_001256584.1, BC106051, BC106051.1, BC016653, BC104246, BC104247, NM_002101.5
UniProt ID:	P04921
Summary:	Glycophorin C (GYPC) is an integral membrane glycoprotein. It is a minor species carried by human erythrocytes, but plays an important role in regulating the mechanical stability of red cells. A number of glycophorin C mutations have been described. The Gerbich and Yus phenotypes are due to deletion of exon 3 and 2, respectively. The Webb and Duch antigens, also known as glycophorin D, result from single point mutations of the glycophorin C gene. The glycophorin C protein has very little homology with glycophorins A and B. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Feb 2012]
shRNA Design:	These shRNA constructs were designed against multiple splice variants at this gene locus. To be certain that your variant of interest is targeted, please contact techsupport@origene.com. If you need a special design or shRNA sequence, please utilize our custom shRNA service.

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Performance Guaranteed:

OriGene guarantees that the sequences in the shRNA expression cassettes are verified to correspond to the target gene with 100% identity. One of the four constructs at minimum are guaranteed to produce 70% or more gene expression knock-down provided a minimum transfection efficiency of 80% is achieved. Western Blot data is recommended over qPCR to evaluate the silencing effect of the shRNA constructs 72 hrs post transfection. To properly assess knockdown, the gene expression level from the included scramble control vector must be used in comparison with the target-specific shRNA transfected samples.

For non-conforming shRNA, requests for replacement product must be made within ninety (90) days from the date of delivery of the shRNA kit. To arrange for a free replacement with newly designed constructs, please contact Technical Services at techsupport@origene.com. Please provide your data indicating the transfection efficiency and measurement of gene expression knockdown compared to the scrambled shRNA control (Western Blot data preferred).