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Product datasheet for TL303934V

IL5RA Human shRNA Lentiviral Particle (Locus ID 3568)

Product data:

Product Type:	shRNA Lentiviral Particles
Product Name:	IL5RA Human shRNA Lentiviral Particle (Locus ID 3568)
Locus ID:	3568
Synonyms:	CD125; CDw125; HSIL5R3; IL5R
Vector:	pGFP-C-shLenti (TR30023)
Format:	Lentiviral particles
Components:	IL5RA - Human shRNA lentiviral particles (4 unique 29mer target-specific shRNA, 1 scramble control), 0.5 ml each, >10^7 TU/ml.
RefSeq:	NM_000564, NM_001243099, NM_175724, NM_175725, NM_175726, NM_175727, NM_175728, NM_175725.1, NM_175725.2, NM_000564.1, NM_000564.2, NM_000564.3, NM_000564.4, NM_175726.1, NM_175726.2, NM_175726.3, NM_175727.1, NM_175727.2, NM_175724.1, NM_175724.2, NM_175728.1, NM_175728.2, NM_001243099.1, BC027599, NM_175726.4
UniProt ID:	Q01344
Summary:	The protein encoded by this gene is an interleukin 5 specific subunit of a heterodimeric cytokine receptor. The receptor is comprised of a ligand specific alpha subunit and a signal transducing beta subunit shared by the receptors for interleukin 3 (IL3), colony stimulating factor 2 (CSF2/GM-CSF), and interleukin 5 (IL5). The binding of this protein to IL5 depends on the beta subunit. The beta subunit is activated by the ligand binding, and is required for the biological activities of IL5. This protein has been found to interact with syndecan binding protein (syntenin), which is required for IL5 mediated activation of the transcription factor SOX4. Several alternatively spliced transcript variants encoding four distinct isoforms have been reported. [provided by RefSeq, Jul 2011]
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).