

Product datasheet for **LY300322**

CD97 (ADGRE5) Human Knockdown Lysate

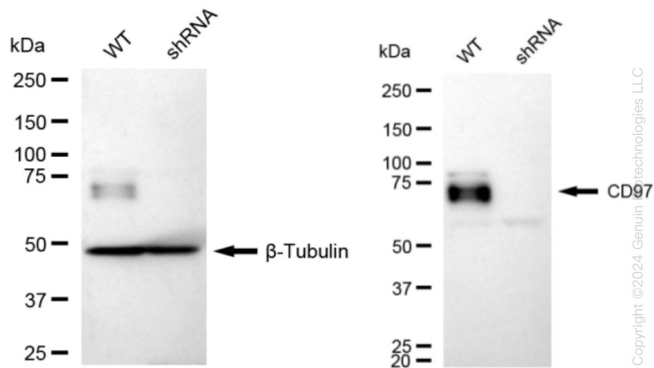
Product data:

Product Type:	Knockdown Lysates
Description:	WB-validated ADGRE5 Knockdown HeLa Cell Lysate
Species:	Human
Expression Host:	HeLa
Tag:	Tag Free
Synonyms:	Adhesion G Protein-Coupled Receptor E5; Leukocyte Antigen CD97; TM7LN1; CD97; Seven-Transmembrane, Heterodimeric Receptor Associated With Inflammation; Seven Transmembrane Helix Receptor; Seven-Span Transmembrane Protein; CD97 Molecule; CD97 Antigen
Predicted MW:	92 kDa
Components:	1 vial of 100 ug WT HeLa cell lysate 1 vial of 100 ug ADGRE5 KD HeLa cell lysate
Storage:	Store at -20 °C for two years.
Concentration:	Lot-specific
Buffer:	IntactProtein Cell-Tissue Lysis buffer
Locus ID:	976
UniProt ID:	P48960
Protein Families:	Adult stem cells, Druggable Genome, ES Cell Differentiation/IPS, GPCR, Secreted Protein, Transmembrane

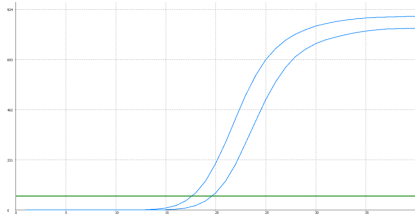


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Product images:



Western blotting analysis. ADGRE5 protein expression in wild-type (WT) and shRNA knockdown (KD) HeLa cells was detected using Western blotting. β -Tubulin served as a loading control. The blots were incubated with primary antibodies against ADGRE5 and β -Tubulin, respectively, followed by incubating with HRP-conjugated goat anti-rabbit secondary antibody. Images were developed using FeQ™ ECL Substrate Kit.



Genotype	Ct Value
Wild-Type	17.58
Knock-Down	19.46
$\Delta Ct (Ct_{KD} - Ct_{WT})$	1.88
% mRNA Reduction	↓ 73%

RT-qPCR analysis. HeLa cells were infected with ADGRE5-specific shRNA lentiviral particles, total RNA was extracted from wild-type and knockdown cells, RT-qPCR was performed using gene-specific primers. $\Delta Ct (Ct_{KD} - Ct_{WT})$ was used to calculate mRNA reduction (%) between wild-type and knockdown cells using the following formula: $(1 - 1/2^{\Delta Ct}) \times 100\%$.