

## Product datasheet for **LY300209**

### Insulin Receptor (INSR) Human Knockdown Lysate

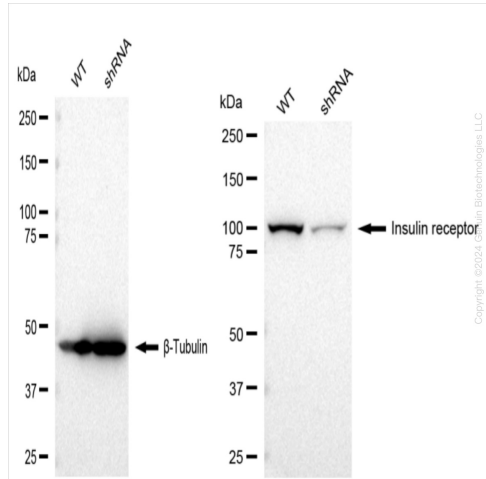
#### Product data:

Product Type:	Knockdown Lysates
Description:	WB-validated INSR Knockdown HeLa Cell Lysate
Species:	Human
Expression Host:	HeLa
Tag:	Tag Free
Synonyms:	INSR; Insulin Receptor; CD220; EC 2.7.10.1; IR; CD220 Antigen; EC 2.7.10; HHF5
Predicted MW:	156 kDa
Components:	1 vial of 100 ug WT HeLa cell lysate 1 vial of 100 ug INSR KD HeLa cell lysate
Storage:	Store at -20 °C for two years.
Concentration:	Lot-specific
Buffer:	IntactProtein Cell-Tissue Lysis buffer
Locus ID:	3643
UniProt ID:	<a href="#">P06213</a>
Protein Families:	Druggable Genome, Protein Kinase, Transmembrane
Protein Pathways:	Adherens junction, Insulin signaling pathway, Type II diabetes mellitus

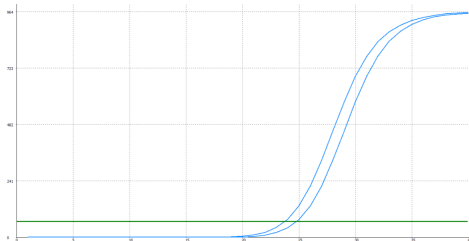


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## Product images:



Western blotting analysis. INSR protein expression in wild-type (WT) and shRNA knockdown (KD) HeLa cells was detected using Western blotting.  $\beta$ -Tubulin served as a loading control. The blots were incubated with primary antibodies against INSR and  $\beta$ -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	23.76
Knock-Down	24.79
$\Delta$ Ct (Ct <sub>KD</sub> -Ct <sub>WT</sub> )	1.03
% mRNA Reduction	↓ 51%

RT-qPCR analysis. HeLa cells were infected with INSR-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<sub>KD</sub>-Ct<sub>WT</sub>) was used to calculate mRNA reduction (%) between wild-type and knockdown cells using the following formula:  $(1 - 1/2^{\Delta\text{Ct}}) \times 100\%$ .