

Product datasheet for LY300224

Galectin 3 (LGALS3) Human Knockdown Lysate

Product data:

OriGene Technologies, Inc.

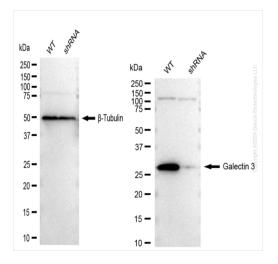
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Product Type:	Knockdown Lysates
Description:	WB-validated LGALS3 Knockdown HeLa Cell Lysate
Species:	Human
Expression Host:	HeLa
Tag:	Tag Free
Synonyms:	LGALS3; Galectin 3; GALIG; Advanced Glycation End-Product Receptor 3; Lectin, Galactoside- Binding, Soluble, 3; Carbohydrate-Binding Protein 35; Galactose-Specific Lectin 3; Laminin- Binding Protein; IgE-Binding Protein; 35 KDa Lectin; Lectin L-29; Galectin-3; LGALS2; MAC-2; GALBP; MAC2; Epididymis Secretory Sperm Binding Protein; Galactoside-Binding Protein; MAC-2 Antigen; Mac-2; Antigen; CBP 35; CBP35; Gal-3; GAL3; L-31; L31
Predicted MW:	26 kDa
Components:	1 vial of 100 ug WT HeLa cell lysate 1 vial of 100 ug LGALS3 KD HeLa cell lysate
Storage:	Store at -20 °C for two years.
Concentration:	Lot-specific
Buffer:	IntactProtein Cell-Tissue Lysis buffer
Locus ID:	3958
UniProt ID:	<u>P17931</u>
Protein Families:	Secreted Protein

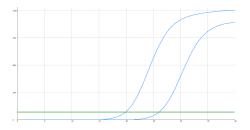


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Product images:



Western blotting analysis. LGALS3 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 (Cat#61189, 1:5,000) against LGALS3 and β -Tubulin, respectively, followed by incubating with HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000). Images were developed using FeQTM ECL Substrate Kit (Cat#226).



Genotype	Ct Value 🚆
Wild-Type	19.96
Knock-Down	25.91 ^a
$\Delta Ct (Ct_{KD}-Ct_{WT})$	5.95 5.9 5
% mRNA Reduction	98%

RT-qPCR analysis. HeLa cells were infected with LGALS3-specific shRNA lentiviral particles, total RNA was extracted from wild-type and knockdown cells, RT-qPCR was performed using gene-specific primers. Δ Ct (CtKD-CtWT) was used to calculate mRNA reduction (%) between wildtype and knockdown cells using the following formula: (1-1/2 Δ Ct) x 100%.

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