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Product datasheet for LY300202

p21 Ras (HRAS) Human Knockdown Lysate

Product data:

Product Type:	Knockdown Lysates
Description:	WB-validated HRAS Knockdown HeLa Cell Lysate
Species:	Human
Expression Host:	HeLa
Tag:	Tag Free
Synonyms:	HRAS; HRas Proto-Oncogene, GTPase; HRAS1; V-Ha-Ras Harvey Rat Sarcoma Viral Oncogene Homolog; Harvey Rat Sarcoma Viral Oncogene Homolog; Transforming Protein P21; GTPase HRas; P21ras; Ras Family Small GTP Binding Protein H-Ras; Harvey Rat Sarcoma Viral Oncoprotein; Transformation Gene: Oncogene HAMSV; GTP- And GDP-Binding Peptide B; Ha-Ras1 Proto-Oncoprotein; C-Has/Bas P21 Protein; P19 H-RasIDX Protein; EC 3.6.5.2; C-BAS/HAS; C-HA-RAS1; H-RASIDX; C-H-RAS; H-Ras-1; C-H-Ras; Ha-Ras; HAMSV; RASH1; CTLO
Predicted MW:	21 kDa
Components:	1 vial of 100 ug WT HeLa cell lysate 1 vial of 100 ug HRAS KD HeLa cell lysate
Storage:	Store at -20 ℃ for two years.
Concentration:	Lot-specific
Buffer:	IntactProtein Cell-Tissue Lysis buffer
Locus ID:	3265
UniProt ID:	P01112
Protein Families:	Druggable Genome
Protein Pathways:	Acute myeloid leukemia, Axon guidance, B cell receptor signaling pathway, Bladder cancer, Chemokine signaling pathway, Chronic myeloid leukemia, Endocytosis, Endometrial cancer, ErbB signaling pathway, Fc epsilon RI signaling pathway, Focal adhesion, Gap junction, Glioma, GnRH signaling pathway, Insulin signaling pathway, Long-term depression, Long-term potentiation, MAPK signaling pathway, Melanogenesis, Melanoma, Natural killer cell mediated cytotoxicity, Neurotrophin signaling pathway, Non-small cell lung cancer, Pathways in cancer, Prostate cancer, Regulation of actin cytoskeleton, Renal cell carcinoma, T cell receptor signaling pathway, Thyroid cancer, Tight junction, VEGF signaling pathway

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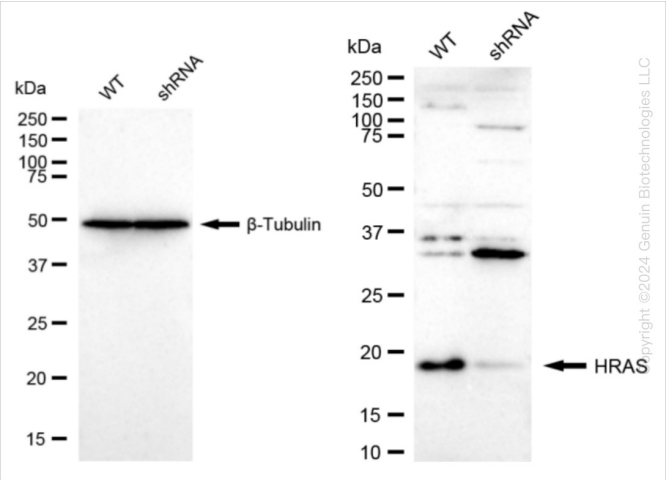
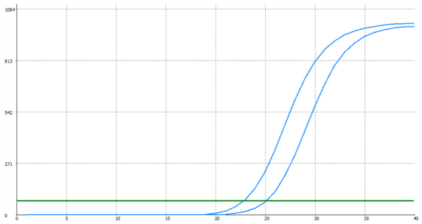
Product images:



Western blotting analysis. HRAS 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 HRAS 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	22.80
Knock-Down	25.02
ΔCt (Ct_{KD}-Ct_{WT})	2.22
% mRNA Reduction	⇩ 79%

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