Human CTNNA1 Knockdown Cell Lysate

Cat. No. CTNNA1-128HKCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	WB-validated CTNNA Knockdown HeLa Cell Lysate
Species	Human
Source	HeLa
Description	This gene encodes a member of the catenin family of proteins that play an important role in cell adhesion process by connecting cadherins located on the plasma membrane to the actin filaments inside the cell. The encoded mechanosensing protein contains three vinculin homology domains and undergoes conformational changes in response to cytoskeletal tension, resulting in the reconfiguration of cadherin-actin filament connections. Certain mutations in this gene cause butterfly-shaped pigment dystrophy.
Form	Cell-Tissue Lysis buffer
Molecular Mass	100 kDa
Notes	Instruction of use: This knockdown cell lysate should be paired with wild-type HeLa cell lysate for use. For Western blotting, we recommend running wild-type and knockdown lysates on the same gel, and loading each well with equal volume and equal amount of total proteins.
Storage	Store at -20 centigrade for two years.

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Concentration	Lot-specific
Shipping	Blue Ice
Components	1 vial of 100 µg WT HeLa cell lysate 1 vial of 100 µg CTNNA KD HeLa cell lysate
Protein Families	Druggable Genome
Protein Pathways	Adherens junction, Arrhythmogenic right ventricular cardiomyopathy (ARVC), Endometrial cancer, Leukocyte transendothelial migration, Pathways in cancer, Tight junction
Lysate QC	RT-qPCR; Western Blotting (WB)

GENE INFORMATION

Gene Name	CTNNA1 catenin (cadherin-associated protein), alpha 1, 102kDa [Homo sapiens (human)]
Official Symbol	CTNNA1
Synonyms	CTNNA1; catenin (cadherin-associated protein), alpha 1, 102kDa; catenin (cadherin associated protein), alpha 1 (102kD); catenin alpha-1; CAP102; alpha-catenin; alphaE-catenin; alpha E-catenin; alpha-E-catenin; renal carcinoma antigen NY-REN-13; cadherin-associated protein,102kDa; FLJ36832; FLJ52416;
Gene ID	1495
mRNA Refseq	NM_001903
Protein Refseq	NP_001894

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MIM	116805
UniProt ID	P35221

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