

Human CLPX Knockdown Cell Lysate

Cat. No. CLPX-119HKCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	WB-validated CLPX Knockdown HeLa Cell Lysate
Species	Human
Source	HeLa
Description	The protein encoded by this gene is part of a protease found in mitochondria. This protease is ATP-dependent and targets specific proteins for degradation. The protease consists of two heptameric rings of the CLPP catalytic subunit sandwiched between two hexameric rings of the chaperone subunit encoded by this gene. Targeted proteins are unwound by this protein and then passed on to the CLPP subunit for degradation. Two transcript variants, one protein-coding and the other non-protein coding, have been found for this gene.
Form	Cell-Tissue Lysis buffer
Molecular Mass	69 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.

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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 CLPX KD HeLa cell lysate
Protein Families	Protease
Lysate QC	RT-qPCR; Western Blotting (WB)

GENE INFORMATION

Gene Name	CLPX ClpX caseinolytic peptidase X homolog (E. coli) [Homo sapiens (human)]
Official Symbol	CLPX
Synonyms	CLPX; caseinolytic mitochondrial matrix peptidase chaperone subunit X; EPP2; ATP-dependent clpX-like chaperone, mitochondrial; ATP-dependent Clp protease ATP-binding subunit clpX-like, mitochondrial; ClpX caseinolytic peptidase X homolog; ClpX caseinolytic protease X homolog; energy-dependent regulator of proteolysis; EC 3.6.4.10
Gene ID	10845
mRNA Refseq	NM_006660
Protein Refseq	NP_006651
MIM	615611
UniProt ID	O76031

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