

Product datasheet

Human CLK1 knockout HeLa cell lysate ab258819

2 Images

Overview

Product name	Human CLK1 knockout HeLa cell lysate
Product overview	Knockout cell lysate achieved by CRISPR/Cas9.
Parental Cell Line	HeLa
Organism	Human
Mutation description	Knockout achieved by using CRISPR/Cas9, 1 bp insertion in exon4 and 2 bp deletion in exon4.
Passage number	<20
Knockout validation	Sanger Sequencing
Reconstitution notes	To use as WB control, resuspend the lyophilizate in 50 µL of LDS* Sample Buffer to have a final concentration of 2 mg/ml. For reducing conditions, we recommend a final concentration of 0.1 M DTT.

**Usage of SDS sample buffer is not recommended with these lyophilized lysates.*

Notes

Lysate preparation: Our lysates are made using RIPA buffer to which we add a protease inhibitor cocktail and phosphatase inhibitor cocktail (ratio: 300:100:10). *This means that the protein of interest is denatured.* If you require a native form of the protein please use the live cell version - found [here](#). Please refer to our lysis protocol for further details on how our lysates are prepared.

User storage instructions: Lyophilizate may be stored at 4°C. After reconstitution, store at -20°C for short-term storage or -80°C for long-term storage.

Access thousands of knockout cell lysates, generated from commonly used cancer cell lines.

[See here for more information on knockout cell lysates.](#)

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Properties

Storage instructions Store at -80°C. Please refer to protocols.

Components	1 kit
ab262548 - Human CLK1 knockout HeLa cell lysate	1 x 100µg
ab255929 - Human wild-type HeLa cell lysate	1 x 100µg

Cell type epithelial
Disease Adenocarcinoma
Gender Female
STR Analysis Amelogenin X D5S818: 11, 12 D13S317: 12, 13.3 D7S820: 8, 12 D16S539: 9, 10 vWA: 16, 18 TH01: 7 TPOX: 8,12 CSF1PO: 9, 10

Target

Function Phosphorylates serine- and arginine-rich (SR) proteins of the spliceosomal complex may be a constituent of a network of regulatory mechanisms that enable SR proteins to control RNA splicing. Phosphorylates serines, threonines and tyrosines.

Sequence similarities Belongs to the protein kinase superfamily. CMGC Ser/Thr protein kinase family. Lammer subfamily.
Contains 1 protein kinase domain.

Post-translational modifications Autophosphorylates on all three types of residues.

Cellular localization Nucleus.

Images

```
Mut CTCCACTCTGACAGATCAGGTGACCCCTCT--TCATCCTCTACACTCCTGGTTCCTTTTC
|||||
WT CTCCACTCTGACAGATCAGGTGACCCCTCTCATCCTCTACACTCCTGGTTCCTTTTC
```

Sanger Sequencing - Human CLK1 knockout HeLa cell lysate (ab258819)

Allele-1: 2 bp deletion in exon4

```
Mut CTCCACTCTGACAGATCAGGTGACCCCTCTCATCCTCTACACTCCTGGTTCCTTTTC
|||||
WT CTCCACTCTGACAGATCAGGTGACCCCTCTCATCCTCTACACTCCTGGTTCCTTTTC
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Sanger Sequencing - Human CLK1 knockout HeLa cell lysate (ab258819)

Allele-2: 1 bp insertion in exon4

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