

Product datasheet

Human POGK knockout HeLa cell lysate ab263306

2 Images

Overview

| | |
|-----------------------------|---|
| Product name | Human POGK 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 deletion 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: After reconstitution, store the lysate at -80°C.

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 |
|---|-----------|
| ab261587 - Human POGK knockout HeLa cell lysate (Lyophilized) | 1 x 100µg |
| ab255929 - Human Wild Type HeLa cell lysate (Lyophilized) | 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 WWA: 16, 18 TH01: 7 TPOX: 8,12 CSF1PO: 9, 10 |

Target

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|------------------------------|--|
| Sequence similarities | Contains 1 DDE domain. Contains 1 HTH CENPB-type DNA-binding domain. Contains 1 KRAB domain. |
|------------------------------|--|

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|------------------------------|----------|
| Cellular localization | Nucleus. |
|------------------------------|----------|

Images

| | |
|---|--|
| Mut | TTCCCTAAGCCAGACATGATCACCCGTTTG - AGGGGAGGAGGAGTCTCAGAATTCGAC |
| WT | TTCCCTAAGCCAGACATGATCACCCGTTTGGAAAGGGGAGGAGTCTCAGAATTCGAC |
| Sanger Sequencing - Human POGK knockout HeLa cell lysate (ab263306) | |

Allele-1: 2 bp deletion in exon4

| | |
|---|---|
| Mut | TTCCCTAAGCCAGACATGATCACCCGTTTG - AAGGGGAGGAGGAGTCTCAGAATTCGAC |
| WT | TTCCCTAAGCCAGACATGATCACCCGTTTGGAAAGGGGAGGAGTCTCAGAATTCGAC |
| Sanger Sequencing - Human POGK knockout HeLa cell lysate (ab263306) | |

Allele-2: 1 bp deletion in exon4

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