

## Product datasheet

# Human MPLKIP (TTDN1) knockout HeLa cell lysate ab258050

2 Images

### Overview

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<b>Product name</b>	Human MPLKIP (TTDN1) knockout HeLa cell lysate
<b>Product overview</b>	Knockout cell lysate achieved by CRISPR/Cas9.
<b>Parental Cell Line</b>	HeLa
<b>Organism</b>	Human
<b>Mutation description</b>	Knockout achieved by using CRISPR/Cas9, 1 bp deletion in exon 1 and Insertion of the selection cassette in exon 1.
<b>Passage number</b>	<20
<b>Knockout validation</b>	Sanger Sequencing
<b>Reconstitution notes</b>	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. <i>*Usage of SDS sample buffer is not recommended with these lyophilized lysates.</i>

### 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
ab260441 - Human MPLKIP knockout HeLa cell lysate	1 x 100µg
ab255552 - Human wild-type HeLa cell lysate	1 x 100µg

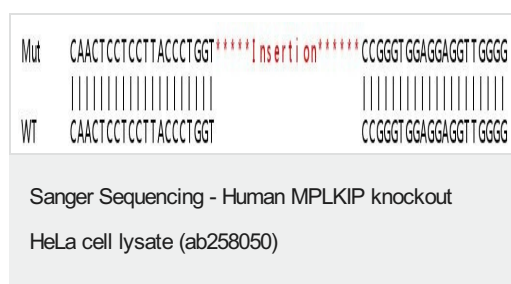
**Cell type** epithelial  
**Disease** Adenocarcinoma  
**Gender** Female  
**STR Analysis** Amelogenin X D5S818: 11, 12 D13S317: 12, 13.3 D7S820: 8, 12 D16S539: 9, 10 vWA: 16, 18 TH01: 7 TPOX: 8, 12 CSF1PO: 9, 10

## Target

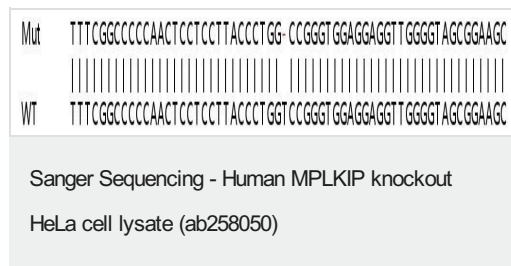
**Relevance** Defects in TTDN1 are a cause of nonphotosensitive trichothiodystrophy (TTD), also known as Amish brittle hair brain syndrome (ABHS), hair-brain syndrome and BIDS syndrome. TTD is an autosomal recessive disorder characterized by short stature, intellectual impairment, sulfur deficient brittle hair and decreased male fertility, but not cutaneous photosensitivity.

**Cellular localization** Nuclear

## Images



Allele-1: Insertion of the selection cassette in exon 1



Allele-2: 1 bp deletion in exon 1

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