

Product datasheet

Human PSCA knockout HeLa cell lysate ab258608

1 Image

Overview

Product name	Human PSCA 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, Homozygous: 2 bp deletion in exon 2.
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
ab260596 - Human PSCA 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

Relevance

PSCA (Prostate Stem Cell antigen) is a cell surface antigen, which is overexpressed in ~40% of primary prostate cancers and in as many as 100% of metastatic ones. PSCA is also overexpressed in a majority of transitional cell and pancreatic carcinomas. Antibody directed against PSCA inhibits tumorigenesis, slows tumor growth, prolongs survival and prevents metastasis in a preclinical xenograft model indicating that PSCA may have utility as a prognostic marker and/or therapeutic target in prostate cancer.

Cellular localization

Cell membrane; Lipid-anchor, GPI-anchor.

Images

Mut	GCACTGCCCTGCTGTGCTACTCCTGCAAAGC--AGGTGAGCAACGAGGACTGCCTGCAGG
WT	GCACTGCCCTGCTGTGCTACTCCTGCAAAGCCAGGTGAGCAACGAGGACTGCCTGCAGG

Sanger Sequencing - Human PSCA knockout HeLa cell lysate (ab258608)

Homozygous: 2 bp deletion in exon 2

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