

Product datasheet

Human CSK knockout HEK293T cell lysate ab257902

2 Images

Overview

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<b>Product name</b>	Human CSK knockout HEK293T cell lysate
<b>Product overview</b>	Knockout cell lysate achieved by CRISPR/Cas9.
<b>Parental Cell Line</b>	HEK293T
<b>Organism</b>	Human
<b>Mutation description</b>	Knockout achieved by using CRISPR/Cas9, 28 bp deletion in exon 3 and Insertion of the selection cassette in exon 3.
<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:** 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
ab260385 - Human CSK knockout HEK293T cell lysate (Lyophilized)	1 x 100µg
ab255553 - Human Wild Type HEK293T cell lysate (Lyophilized)	1 x 100µg

**Cell type** epithelial

**STR Analysis** Amelogenin X D5S818: 8, 9 D13S317: 12, 14 D7S820: 11 D16S539: 9, 13 vWA: 16, 19 TH01: 7, 9.3 TPOX: 11 CSF1PO: 11, 12

## Target

**Function** Specifically phosphorylates 'Tyr-504' on LCK, which acts as a negative regulatory site. Can also act on the LYN and FYN kinases.

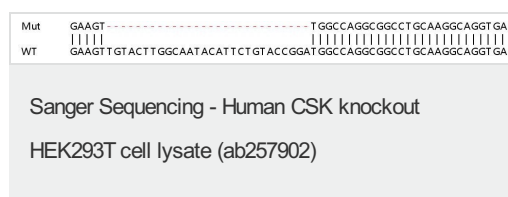
**Tissue specificity** Expressed in lung and macrophages.

**Sequence similarities** Belongs to the protein kinase superfamily. Tyr protein kinase family. CSK subfamily. Contains 1 protein kinase domain. Contains 1 SH2 domain. Contains 1 SH3 domain.

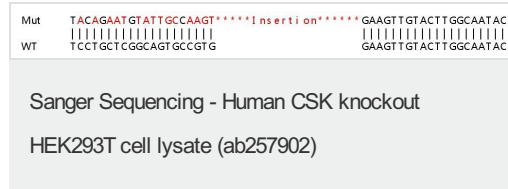
**Post-translational modifications** Autophosphorylation of Tyr-304 occurs only at abnormally high CSK concentrations in vitro.

**Cellular localization** Cytoplasm. Cell membrane. Mainly cytoplasmic, also present in lipid rafts.

## Images



Allele-1: 28 bp deletion in exon 3



Allele-2: Insertion of the selection cassette in exon 3

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