

Product datasheet

Human SLC25A40 knockout HEK293T cell lysate
ab259125

2 Images

Overview

Product name	Human SLC25A40 knockout HEK293T cell lysate
Product overview	Knockout cell lysate achieved by CRISPR/Cas9.
Parental Cell Line	HEK293T
Organism	Human
Mutation description	Knockout achieved by using CRISPR/Cas9, 2 bp deletion in exon4 and 7 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
ab262628 - Human SLC25A40 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

Relevance SLC25A40 belongs to the SLC25 family of mitochondrial carrier proteins. It contains three Solcar repeats.

Cellular localization Mitochondrion inner membrane; Multi-pass membrane protein (By similarity)

Images

Mut	TTAGACTCCAAGCCCAAAAACAACCCACTCC-----TATGTGTAATAATTGCCCTAAAA
WT	TTAGACTCCAAGCCCAAAAACAACCCACTCCCCAAGGTATGTGTAATAATTGCCCTAAAA

Sanger Sequencing - Human SLC25A40 knockout
HEK293T cell lysate (ab259125)

Allele-1: 7 bp deletion in exon4

Mut	TTAGACTCCAAGCCCAAAAACAACCCACTCC--AAAGGTATGTGTAATAATTGCCCTAAAA
WT	TTAGACTCCAAGCCCAAAAACAACCCACTCCCCAAGGTATGTGTAATAATTGCCCTAAAA

Sanger Sequencing - Human SLC25A40 knockout
HEK293T cell lysate (ab259125)

Allele-2: 2 bp deletion in exon4

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