

## Product datasheet

# Human SRSF6 (SR protein repeat) knockout HEK-293T cell lysate ab258210

2 Images

### Overview

<b>Product name</b>	Human SRSF6 (SR protein repeat) knockout HEK-293T 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, Homozygous: 1 bp insertion in exon 1.
<b>Passage number</b>	<20
<b>Knockout validation</b>	Sanger Sequencing, Western Blot (WB)
<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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### Tested applications

**Suitable for:** WB

## Properties

**Storage instructions** Store at -80°C. Please refer to protocols.

Components	1 kit
ab261172 - Human SRSF6 knockout HEK293T cell lysate	1 x 100µg
ab255553 - Human wild-type HEK293T cell lysate	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** Plays a role in constitutive splicing and can modulate the selection of alternative splice sites.  
Represses the splicing of MAPT/Tau exon 10.

**Sequence similarities** Belongs to the splicing factor SR family.  
Contains 2 RRM (RNA recognition motif) domains.

**Post-translational modifications** Extensively phosphorylated on serine residues in the RS domain.

**Cellular localization** Nucleus.

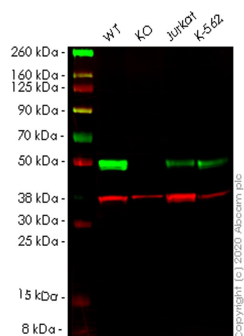
## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab258210 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use at an assay dependent concentration. Predicted molecular weight: 40 kDa.

## Images



Western blot - Human SRSF6 (SR protein repeat)  
knockout HEK293T cell lysate (ab258210)

**Lane 1:** Wild-type HEK293T cell lysate (20 ug)

**Lane 2:** SRSF6 knockout HEK293T cell lysate (20 ug)

**Lane 3:** Jurkat cell lysate (20 ug)

**Lane 4:** K-562 cell lysate (20 ug)

**ab140623** was shown to specifically react with SR protein repeat/SRSF6 in wild-type HEK293T cells. Loss of signal was observed when knockout cell line **ab266529** (knockout cell lysate ab258210) was used. Wild-type and SR protein repeat/SRSF6 knockout samples were subjected to SDS-PAGE. **ab140623** and Anti-GAPDH antibody [6C5] - Loading Control (**ab8245**) were incubated at room temperature for 2.5 hours at 1 in 1000 dilution and 1 in 20000 dilution respectively. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed (**ab216773**) and Goat anti-Mouse IgG H&L (IRDye® 680RD) preadsorbed (**ab216776**) secondary antibodies at 1 in 20000 dilution for 1 hour at room temperature before imaging.

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Mut  GGTCCCCGCCCGCCACGGACATGCCGCGCGTCTACATAGGACGCTGAGCTACAACGTC
      |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
WT   GGTCCCCGCCCGCCACGGACATGCCGCGCGTCTACATAGGACGCTGAGCTACAACGTC
  
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Sanger Sequencing - Human SRSF6 knockout  
HEK293T cell lysate (ab258210)

Homozygous: 1 bp insertion in exon 1

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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