

Product datasheet

Recombinant Human CSL4 protein ab181892

1 Image

Description

<b>Product name</b>	Recombinant Human CSL4 protein	
<b>Purity</b>	> 90 % SDS-PAGE. ab181892 was purified using conventional chromatography techniques.	
<b>Expression system</b>	Escherichia coli	
<b>Accession</b>	<a href="#">Q9Y3B2</a>	
<b>Protein length</b>	Full length protein	
<b>Animal free</b>	No	
<b>Nature</b>	Recombinant	
<b>Species</b>	Human	
<b>Sequence</b>	MGSSHHHHHHSSGLVPRGSHMGSMAPPVRYCIPGERLC NLEEGSPGSGTY TRHG YIFSSLAGCLMKSSENGALPVVSVVRETESQLLPDV GAVTCKVSS INSRFAKVHILYVGSMP LKNSFRGTIRKEDVRATEKDKVEIY KSFRPGDI VLAKVISLGDAQSNYLLTTAENELGVVVAHSESGIQMVPIS WCEMQCPKT HTKEFRKVARVQPEFLQT	
<b>Predicted molecular weight</b>	24 kDa including tags	
<b>Amino acids</b>	1 to 195	
<b>Tags</b>	His tag N-Terminus	
<b>Additional sequence information</b>	NP_057130	

Specifications

Our [Abpromise guarantee](#) covers the use of **ab181892** in the following tested applications.

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

<b>Applications</b>	Mass Spectrometry SDS-PAGE
<b>Mass spectrometry</b>	MALDI-TOF
<b>Form</b>	Liquid

## Preparation and Storage

### Stability and Storage

Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

pH: 8.00

Constituents: 0.32% Tris HCl, 0.88% Sodium chloride, 20% Glycerol, 0.02% DTT

## General Info

### Function

Non-catalytic component of the RNA exosome complex which has 3'→5' exonuclease activity and participates in a multitude of cellular RNA processing and degradation events. In the nucleus, the RNA exosome complex is involved in proper maturation of stable RNA species such as rRNA, snRNA and snoRNA, in the elimination of RNA processing by-products and non-coding 'pervasive' transcripts, such as antisense RNA species and promoter-upstream transcripts (PROMPTs), and of mRNAs with processing defects, thereby limiting or excluding their export to the cytoplasm. The RNA exosome may be involved in Ig class switch recombination (CSR) and/or Ig variable region somatic hypermutation (SHM) by targeting AICDA deamination activity to transcribed dsDNA substrates. In the cytoplasm, the RNA exosome complex is involved in general mRNA turnover and specifically degrades inherently unstable mRNAs containing AU-rich elements (AREs) within their 3' untranslated regions, and in RNA surveillance pathways, preventing translation of aberrant mRNAs. It seems to be involved in degradation of histone mRNA. The catalytic inactive RNA exosome core complex of 9 subunits (Exo-9) is proposed to play a pivotal role in the binding and presentation of RNA for ribonucleolysis, and to serve as a scaffold for the association with catalytic subunits and accessory proteins or complexes. EXOSC1 as peripheral part of the Exo-9 complex stabilizes the hexameric ring of RNase PH-domain subunits through contacts with EXOSC6 and EXOSC8.

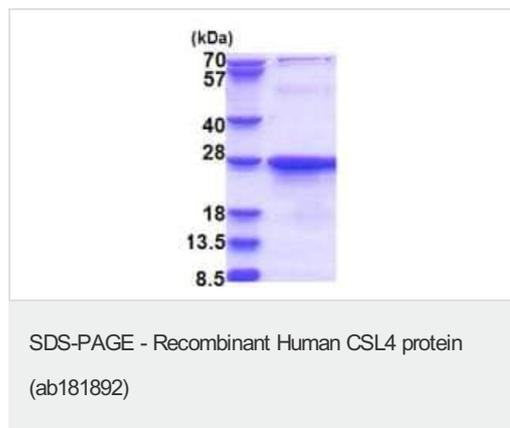
### Sequence similarities

Contains 1 S1 motif domain.

### Cellular localization

Nucleus > nucleolus. Nucleus. Cytoplasm.

## Images



15% SDS-PAGE analysis of 3µg ab181892.

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

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  - Response to your inquiry within 24 hours
  
  - We provide support in Chinese, English, French, German, Japanese and Spanish
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  - We investigate all quality concerns to ensure our products perform to the highest standards

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