

## Product datasheet

# Recombinant Human CSN7A protein (denatured) ab180281

1 Image

### Description

|  |   |  |
|--|---|--|
| <b>Product name</b>                    | Recombinant Human CSN7A protein (denatured)   |  |
| <b>Purity</b>                          | > 80 % SDS-PAGE.  |  |
| <b>Expression system</b>               | Escherichia coli  |  |
| <b>Accession</b>                       | <b><u>Q9UBW8</u></b>  |  |
| <b>Protein length</b>                  | Full length protein   |  |
| <b>Animal free</b>                     | No  |  |
| <b>Nature</b>                          | Recombinant   |  |
| <b>Species</b>                         | Human   |  |
| <b>Sequence</b>                        | MGSSHHHHHSSGLVPRGSHMGMSAEVKVTGQNQEQ<br>FLLLAKSAKGAAL<br>ATLIHQVLEAPGVYVFGELLDMPNVRELAESDFASTFRLLT<br>VFAYGTYAD<br>YLAEARNLPLTEAQKNKLRHLSVVTLAAKVKCIPYAVLLE<br>ALALRNVRQ<br>LEDLVIEAVYADVLRGSLDQRNQRLEVDYSIGRDIQRQDLS<br>AIARTLQEW<br>CVGCEVVLSGIEEQVSRANQHKEQQLGLKQQIESEVANL<br>KKTIKVTTAAA<br>AAATSQDPEQHLTELREPAPGTNQRQPSKKASKGKGLR<br>GSAKIWSKSN |  |
| <b>Predicted molecular weight</b>      | 33 kDa including tags   |  |
| <b>Amino acids</b>                     | 1 to 275  |  |
| <b>Tags</b>                            | His tag N-Terminus  |  |
| <b>Additional sequence information</b> | NP_001157566.   |  |

### Specifications

Our **Abpromise guarantee** covers the use of **ab180281** 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>     | SDS-PAGE                                       |
| <b>Form</b>             | Liquid   |
| <b>Additional notes</b> | This product was previously labelled as COPS7A |

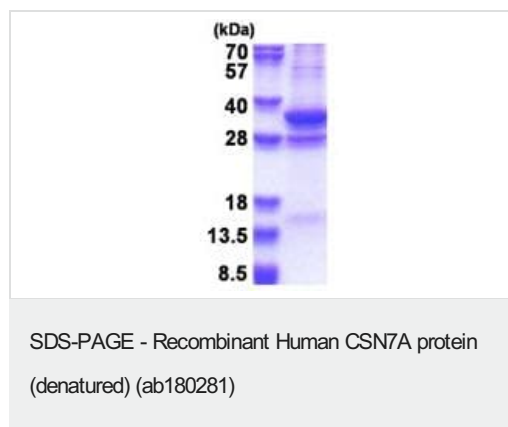
## Preparation and Storage

|                              |   |
|------------------------------|---|
| <b>Stability and Storage</b> | 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.<br><br>pH: 8.00<br>Constituents: 0.32% Tris HCl, 2.4% Urea, 10% Glycerol (glycerin, glycerine) |
|------------------------------|---|

## General Info

|   |  |
|---|--|
| <b>Function</b>                         | Component of the COP9 signalosome complex (CSN), a complex involved in various cellular and developmental processes. The CSN complex is an essential regulator of the ubiquitin (Ubl) conjugation pathway by mediating the deneddylation of the cullin subunits of SCF-type E3 ligase complexes, leading to decrease the Ubl ligase activity of SCF-type complexes such as SCF, CSA or DDB2. The complex is also involved in phosphorylation of p53/TP53, JUN, I-kappa-B-alpha/NFKBIA, ITPK1 and IRF8/ICSBP, possibly via its association with CK2 and PKD kinases. CSN-dependent phosphorylation of TP53 and JUN promotes and protects degradation by the Ubl system, respectively. |
| <b>Tissue specificity</b>               | Widely expressed. Expressed at high level in brain, heart and skeletal muscle.   |
| <b>Sequence similarities</b>            | Belongs to the CSN7/EIF3M family. CSN7 subfamily.<br>Contains 1 PCI domain.  |
| <b>Post-translational modifications</b> | Phosphorylated by CK2 and PKD kinases.   |
| <b>Cellular localization</b>            | Cytoplasm. Nucleus.  |

## Images



15% SDS-PAGE analysis of ab180281 (3µg).

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

## **Our Abpromise to you: Quality guaranteed and expert technical support**

---

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
  
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

## **Terms and conditions**

---

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors