

Datasheet for ABIN7545990  
**C1orf55 Protein (AA 1-451) (His tag)**



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## Overview

|                               |  |
|-------------------------------|--|
| Quantity:                     | 1 mg   |
| Target:                       | C1orf55  |
| Protein Characteristics:      | AA 1-451                                       |
| Origin:                       | Human  |
| Source:                       | HEK-293 Cells                                  |
| Protein Type:                 | Recombinant                                    |
| Purification tag / Conjugate: | This C1orf55 protein is labelled with His tag. |

## Product Details

|              |  |
|--------------|--|
| Purpose:     | Custom-made recombinant SDE2 Protein expressed in mammalian cells.   |
| Sequence:    | <p>MAEAAALVWI RGPFGGCKAV RCASGRCTVR DFIHRHCQDQ NVPVENFFVK CNGALINTSD<br/>TVQHGA VYSL EPRLCGGKGG FGSMLRALGA QIEKTTNREA CRDLSGRRLR DVNHEKAMAE<br/>WVKQQAAREA EKEQKRLERL QRKLVEPKHC FTSPDYQQQC HEMAERLEDS VLKGMQAASS<br/>KMVSAEISEN RKRQWPTKSQ TDRGASAGKR RCFWLGM EGL ETAEGSNSES SDDDSEEAPS<br/>TSGMGFHAPK IGSNGVEMAA KFPSGSQRAR VVNTDHGSPE QLQIPVTD SG RHILEDSCAE<br/>LGESKEHMES RMVTETEETQ EKKAESKEPI EEEPTGAGLN KDKETEERTD GERVAEVAPE<br/>ERENVAVAKL QESQPGNAVI DKETIDLLAF TSVAELELLG LEKLCCELMA LGLKCGGTLQ<br/>ERAARLFSVR GLAKEQIDPA LFAKPLKGKK K <b>Sequence without tag. The proposed<br/>Purification-Tag is based on experiences with the expression system, a different complexity<br/>of the protein could make another tag necessary. In case you have a special request, please<br/>contact us.</b></p> |
| Specificity: | If you are looking for a specific domain and are interested in a partial protein or a different  |

## Product Details

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isoform, please contact us regarding an individual offer.

### Characteristics:

#### Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

### Purity:

> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

### Grade:

custom-made

## Target Details

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### Target:

C1orf55

### Alternative Name:

SDE2 ([C1orf55 Products](#))

### Background:

Splicing regulator SDE2 (Replication stress response regulator SDE2),FUNCTION: Inhibits translesion DNA synthesis by preventing monoubiquitination of PCNA, this is necessary to counteract damage due to ultraviolet light-induced replication stress (PubMed:27906959). SDE2 is cleaved following PCNA binding, and its complete degradation is necessary to allow S-phase progression following DNA damage (PubMed:27906959). {ECO:0000269|PubMed:27906959}., FUNCTION: Plays a role in pre-mRNA splicing by facilitating excision of relatively short introns featuring weak 3'-splice sites (ss) and high GC content (PubMed:34365507). May recruit CACTIN to the spliceosome (By similarity). {ECO:0000250|UniProtKB:O14113, ECO:0000269|PubMed:34365507}., FUNCTION: Plays a role in ribosome biogenesis by enabling SNORD3- and SNORD118-dependent cleavage of the 47S rRNA precursor (PubMed:34365507). Binds ncRNA (non-coding RNA) including the snoRNAs SNORD3 and SNORD118 (PubMed:34365507). {ECO:0000269|PubMed:34365507}.

## Target Details

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Molecular Weight: 49.7 kDa

UniProt: [Q6IQ49](#)

## Application Details

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Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

## Handling

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Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months