Datasheet for ABIN5711875

# COPS7A Protein (AA 2-275) (His-SUMO Tag)

1 Image

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## Overview

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|---|---|
| Quantity: | 100 µg |
| Target: | COPS7A |
| Protein Characteristics: | AA 2-275 |
| Origin: | Human |
| Source: | Escherichia coli (E. coli) |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This COPS7A protein is labelled with His-SUMO Tag. |
| Application: | SDS-PAGE (SDS) |

## Product Details

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| Sequence: | SAEVKVTGQN QEQFLLLAKS AKGAALATLI HQVLEAPGVY VFGELLDMPN VRELAESDFA STFRLLTVFA YGTYADYLAE ARNLPPLTEA QKNKLRHLSV VTLAAKVKCI PYAVLLEALA LRNVRQLEDL VIEAVYADVL RGSLDQRNQR LEVDYSIGRD IQRQDLSAIA RTLQEWCVGC EVVLSGIEEQ VSRANQHKEQ QLGLKQQIES EVANLKKTIK VTTAAAAAAT SQDPEQHLTE LREPAPGTNQ RQPSKKASKG KGLRGSAKIW SKSN |
| Purification: | SDS-PAGE |
| Purity: | > 90 % |

## Target Details

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| Target: | COPS7A |
| Alternative Name: | CSN7A (COPS7A Products) |

## Target Details

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| Background: | 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 syst, respectively. |
| Molecular Weight: | 46.1 kDa |
| UniProt: | Q9UBW8 |
| Pathways: | Cell Division Cycle |

## Application Details

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| Application Notes: | Optimal working dilution should be determined by the investigator. |
| Restrictions: | For Research Use only |

## Handling

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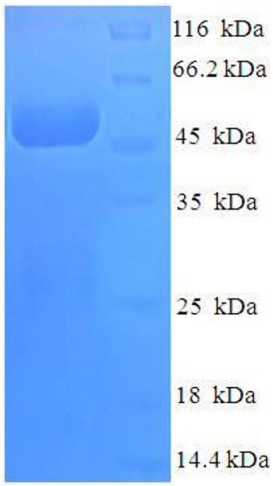
| Format: | Liquid |
| Concentration: | 0.1-2 mg/mL |
| Buffer: | 20 mM Tris-HCl based buffer, pH 8.0 |
| Storage: | -80 °C,4 °C,-20 °C |
| Storage Comment: | Store at -20°C, for extended storage, conserve at -20°C or -80°C. Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. |




**SDS-PAGE**

**Image 1.**