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# Recombinant human CUEDC2 protein

Catalog Number: ATGP2299

## **PRODUCT INFORMATION**

# **Expression system**

E.coli

#### **Domain**

1-287aa

#### UniProt No.

O9H467

#### **NCBI Accession No.**

NP 076945

#### **Alternative Names**

CuE domain-containing protein 2, bA18I14.5, C10orf66

# PRODUCT SPECIFICATION

#### **Molecular Weight**

34.4 kDa (310aa) confirmed by MALDI-TOF

#### Concentration

1mg/ml (determined by Bradford assay)

#### **Formulation**

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1mM DTT

#### **Purity**

> 90% by SDS-PAGE

#### Tag

His-Tag

## **Application**

SDS-PAGE

# **Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

#### **BACKGROUND**

#### **Description**

CUEDC2 belongs to the CUEDC2 family and contains 1 CUE domain. This protein down-regulates ESR1 protein levels through the ubiquitination-proteasome pathway, regardless of the presence of 17 beta-estradiol. It also involves in 17 beta-estradiol-induced ESR1 degradation and controls PGR protein levels through a similar mechanism. Recombinant human CUEDC2 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.



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# **Amino acid Sequence**

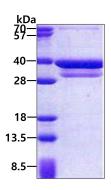
<MGSSHHHHHH SSGLVPRGSH MGS>MELERIV SAALLAFVQT HLPEADLSGL DEVIFSYVLG VLEDLGPSGP SEENFDMEAF TEMMEAYVPG FAHIPRGTIG DMMQKLSGQL SDARNKENLQ PQSSGVQGQV PISPEPLQRP EMLKEETRSS AAAAADTQDE ATGAEEELLP GVDVLLEVFP TCSVEQAQWV LAKARGDLEE AVQMLVEGKE EGPAAWEGPN QDLPRRLRGP QKDELKSFIL QKYMMVDSAE DQKIHRPMAP KEAPKKLIRY IDNQVVSTKG ERFKDVRNPE AEEMKATYIN LKPARKYRFH

## **General References**

Pan X, Zhou T, et al. (2011). Nat Med. 17(6):708-14. Zhang PJ, Zhao J, et al. (2007). EMBO J. 26(7):1831-42.

# **DATA**

# **SDS-PAGE**



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

