

# Product information



## CUEDC1, 1-386aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP2492

**Full name:** CUE domain-containing protein 1

**NCBI Accession No.:** NP\_001258804

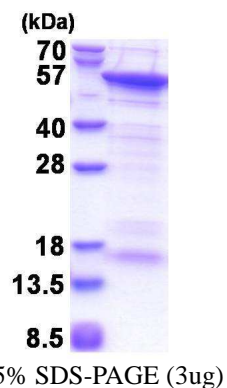
**Description:** CUEDC1 contains 1 CUE domain. The CUE domain is structurally related to the ubiquitin-binding UBA domain and has been reported to exist as a domain-swapped dimer that makes additional contacts with ubiquitin, and consequently, binds ubiquitin with higher affinity. The CUE domain is found in proteins with diverse functions including degradation of misfolded proteins in the endoplasmic reticulum and protein sorting. Recombinant human CUEDC1 protein, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography techniques.

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

**Molecular Weight:** 44.6kDa (409aa), confirmed by MALDI-TOF

**Purity:** > 85% by SDS - PAGE

**Concentration:** 0.25 mg/ml (determined by Bradford assay)



### Sequences of amino acids:

MGSSHHHHHH SSSLVPRGSH MGSMTSLFRR SSSGSGGGGT AGARGGGGT AAPQELNNSR PARQVRRLEF NQAMDDFKTM FPNMDYDIE  
CVLRANSGAV DATIDQLLQM NLEGGSSGG VYEDSSDSED SIPPEILERT LEPDSSDEEP PPVYSPPAYH MHVFORPYPL APPTPPPRID  
ALGSGAPTSQ RRYRNWNPPL LGNLPDDFLR ILPQQLDSIQ GNAGGPKPGS GEGCPPAMAG PGPGDQESRW KQYLEDERIA LFLQNEEFMK  
ELQRNRDFLL ALERDRLKYE SQKSKSSVA VGNDFGFSSP VPGTGDANPA VSEDALFRDK LKHMKGSTRR KLFELARAFS EKTMRKSKR  
KHLKHKQSLG AAASTANLLD DVEGHACDED FRGRRQEAPK VEEGLREGQ

### General references:

Gerhard DS, Wagner L, *et al.* (2004). *Genome Res.* 14(10B):2121-7.

**Storage:** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

**For research use only. This product is not intended or approved for human, diagnostics or veterinary use.**



Manufactured for:

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