Recombinant human CUEDC1 protein

Catalog Number: ATGP2492

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-386aa

UniProt No.
Q9NWM3

NCBI Accession No.
NP_001258804

Alternative Names
CUE domain-containing protein 1

PRODUCT SPECIFICATION

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

Concentration
0.25mg/ml (determined by Bradford assay)

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

Purity
> 85% 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
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.

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Amino acid Sequence

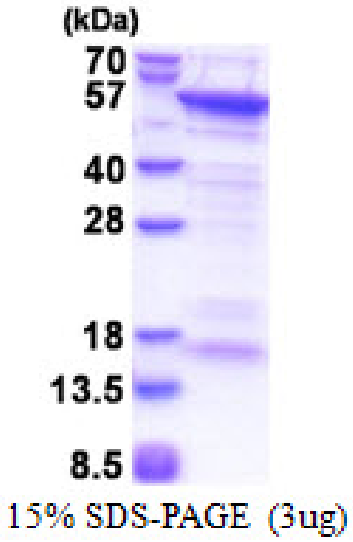
MGSSHHHHHH SSGLVPRGSH MGSMTSLFRR SSSGSGGGGT AGARGGGGGT AAPQELNNSR PARQVRRLEF NQAMDDFKTM FPNMDYDIIE CVLRANSGAV DATIDQLLQM NLEGGGSSGG VYEDSSDSED SIPPEILERT LEPDSSDEEP PPVYSPPAYH MHVFDRPYPL APPTPPPRID ALGSGAPTSQ RRYRNWNPPL LGNLPDDFLR ILPQQLDSIQ GNAGGPKPGS GEGCPPAMAG PGPGDQESRW KQYLEDERIA LFLQNEEFMK ELQRNRDFLL ALERDRLKYE SQKSKSSSVA VGNDFGFSSP VPGTGDANPA VSEDALFRDK LKHMGKSTRR KLFELARAFS EKTKMRKSKR KHLLKHQSLG AAASTANLLD DVEGHACDED FRGRRQEAPK VEEGLREGQ

General References

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

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

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