

**CUEDC1, 1-386aa, Human, His tag, E.coli**

**Cat.NO.: TP01786**

3th Edition

**Synonyms:**CUE domain-containing protein 1,

**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

**Sequences:**

MGSSHHHHHSSGLVPRGSHMGSMSTSLFRRSSSGSGGGGTAGARGGGGGTAAPQELNNSRPARQVRRLEFNQ  
AMDDFKTMFPNMDYDIECVLRANSGAVDATIDQLLQMNLEGGGSSGGVYEDSSDSEDSIPPEILERTLEPDSSDEE  
PPPVSPPAYHMHVFDRPYPLAPPTPPPRIDALGSGAPTSQRRYRNWNPPLLGNLPDDFLRILPQQLDISIQGNAGG  
PKPGSGEGCPPAMAGPGPGDQESRWKQYLEDERIALFLQNEEFMKELQRNRDFFLLALERDRLKYESQKSKSSSV  
AVGNDFGFSSPVPGTGDANPAVSEDALFRDKLKHMGKSTRRKLFEARAFSEKTKMRKSKRKHLLKHQSLGAAAS  
TANLLDDVEGHACDEDFRGRRQEAPKVEEGLREGQ

**Purity:**> 95% by HPLC

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

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**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.