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**Product Data Sheet**


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Product Name: CUEDC1 Human

Cat. No.: GP23274

Batch No.: 1

**Product Data**

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	CUE Domain Containing 1; CUE Domain-Containing Protein 1.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMTSLFRR SSSGSGGGGT AGARGGGGGT AAPQELNNSR PARQVRRLEFNQAMDDFKTM FPNMDYDII ECVLRANSGAV DATIDQLLQM NLEGGGSSGG VYEDSSDSED SIPPEILERTLEPDSSDEEP PPVYSPPAYH MHVFDRPYPL APPTPPRID ALGSGAPTSQ RRYRNWNPP L LGNLPDDFLR ILPQQLD SIQ GNAGGPKPGSGEGCPPAMAG PGP GDQESRW KQYLEDERIA LFLQNEEFMK ELQRNRDFLL ALERDRLKYE SQKSKSSSVAVGNDFGFSSP VPGTGDANPA VSEDALFRDK LKHMGKSTRR KLFELARAFS ETKMRKSKR KHLLKHQSLG AAATANLLD DVEGHACDED FRGRRQEAPK VEEGLREGQ		
Formulation	CUEDC1 protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 20%glycerol and 1mM DTT.		

**Introduction**

CUE Domain Containing 1, also known as CUEDC1 contains 1 CUE domain. The CUE domain is structurally associated to the ubiquitin-binding UBA domain and exists as a domain-swapped dimer which makes additional contacts with ubiquitin, and as a result, binds ubiquitin with higher affinity. The CUE domain is discovered in proteins with diverse functions including protein sorting and degradation of misfolded proteins in the endoplasmic reticulum.

**Stability**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please avoid freeze thaw cycles.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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### Background

CUEDC1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 409 amino acids (1-386 a.a) and having a molecular mass of 44.6kDa. CUEDC1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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