

CRELD2 Protein, Human (329aa, HEK293, His)

Cat. No.:	HY-P700637
Synonyms:	rHuProtein disulfide isomerase CRELD2/CRELD2, His; Cysteine-Rich With EGF-Like Domain Protein 2; CRELD2
Species:	Human
Source:	HEK293
Accession:	Q6UXH1-1 (A25-L353)
Gene ID:	79174
Molecular Weight:	Approximately 41.88 kDa

PROPERTIES

AA Sequence

A K K P T P C H R C	R G L V D K F N Q G	M V D T A K K N F G	G G N T A W E E K T
L S K Y E S S E I R	L L E I L E G L C E	S S D F E C N Q M L	E A Q E E H L E A W
W L Q L K S E Y P D	L F E W F C V K T L	K V C C S P G T Y G	P D C L A C Q G G S
Q R P C S G N G H C	S G D G S R Q G D G	S C R C H M G Y Q G	P L C T D C M D G Y
F S S L R N E T H S	I C T A C D E S C K	T C S G L T N R D C	G E C E V G W V L D
E G A C V D V D E C	A A E P P P C S A A	Q F C K N A N G S Y	T C E E C D S S C V
G C T G E G P G N C	K E C I S G Y A R E	H G Q C A D V D E C	S L A E K T C V R K
N E N C Y N T P G S	Y V C V C P D G F E	E T E D A C V P P A	E A E A T E G E S P
T Q L P S R E D L			

Biological Activity

The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.

Appearance

Lyophilized powder.

Formulation

Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.

Endotoxin Level

<1 EU/µg, determined by LAL method.

Reconstitution

It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH₂O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).

Storage & Stability

Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.

Shipping

Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background

CRELD2 protein, likely functioning as a protein disulfide isomerase, may contribute to the intricate processes associated

with the unfolded protein response. Additionally, there is a potential role for CRELD2 in the regulation of the transport of the alpha4-beta2 neuronal acetylcholine receptor. These functions highlight the versatility of CRELD2 in cellular processes related to protein folding and neuronal receptor dynamics, suggesting its involvement in maintaining cellular homeostasis.

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

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