

CRELD2 Protein, Human (HEK293, His)

Cat. No.:	HY-P70081
Synonyms:	rHuProtein disulfide isomerase CRELD2/CRELD2, His; Cysteine-Rich With EGF-Like Domain Protein 2; CRELD2
Species:	Human
Source:	HEK293
Accession:	Q6UXH1-2 (A25-L321)
Gene ID:	79174
Molecular Weight:	Approximately 41 kDa

PROPERTIES

AA Sequence	<pre> 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 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 </pre>
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 or PBS, 5% Trehalose, 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 ddH ₂ O.
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
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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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