

CRELD2 Protein, Mouse (HEK293, His)

Cat. No.:	HY-P76289
Synonyms:	Cysteine-Rich With EGF-Like Domain Protein 2; CRELD2
Species:	Mouse
Source:	HEK293
Accession:	Q9CYA0 (S23-L350)
Gene ID:	76737
Molecular Weight:	Approximately 51.3-55 kDa.

PROPERTIES

AA Sequence	<pre> SRKPTMCQRC RTLVDKFNQG MANTARKNFG GGNTAWEEKT LSKYEFSEIR LLEIMEGLCD SSDFECNQLL EQQEEQLEAW WQTLKKEHPN LFEWFVHTL KACCLPGTYG PDCQECQGGG ERP C S G N G Y C S G D G S R Q G D G S C Q C H T G Y K G P L C I D C T D G F F S L Q R N E T H S I C S A C D E S C K T C S G P S N K D C I Q C E V G W A R V E D A C V D V D E C A A E T S P C S D G Q Y C E N V N G S Y T C E D C D S T C V G C T G K G P A N C K E C I A G Y T K E S G Q C T D I D E C S L E E K A C K R K N E N C Y N V P G S F V C V C P E G F E E T E D A C V Q T A E G K V T E E N P T Q P P S R E D L </pre>
Biological Activity	Measured by its ability to induce adhesion of ATDC5 mouse chondrogenic cells. The ED ₅₀ for this effect is typically 0.055 μg/mL, corresponding to a specific activity is 1.818×10 ⁴ units/mg.
Appearance	Lyophilized powder
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, 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. 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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