Recombinant Human CRELD2, His-tagged

Cat. No. CRELD2-74H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Cysteine-Rich with EGF-Like Domain Protein 2/CRELD2 is produced by our mammalian expression system. The target protein is expressed with sequence (Ala25-Leu353) of Human CRELD2 fused with a polyhistidine tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	25-353 a.a.
Description	Cysteine-Rich with EGF-Like Domain Protein 2 (CRELD2) is a secreted protein that is a member of the CRELD family. Human CRELD2 is synthesized as a 353 amino acid precursor protein with a signal peptide, a highly conserved domain rich in glutamic acid and tryptophan (WE) and EGF-like repeats. CRELD2 is ubiquitously expressed in many tissues. CRELD2 may interact with CHRNA4 and regulate transport of α4-β2 neuronal acetylcholine receptor. In addition, CRELD2 could be a novel mediator in regulating the onset and progression of various ER stress-associated diseases.
AA Sequence	AKKPTPCHRCRGLVDKFNQGMVDTAKKNFGGGNTAWEEKTLSKYESSEIRLLEILE GLCESSDFE CNQMLEAQEEHLEAWWLQLKSEYPDLFEWFCVKTLKVCCSPGTYG PDCLACQGGSQRPCSGNGHC SGDGSRQGDGSCRCHMGYQGPLCTDCMDGYFS SLRNETHSICTACDESCKTCSGLTNRDCGECEV GWVLDEGACVDVDECAAEPPPC SAAQFCKNANGSYTCEDVDECSLAEKTCVRKNENCYNTPGSYV CVCPDGFEETED

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	ACVPPAEAEATEGESPTQLPSREDLVDHHHHHH
Endotoxin	Less than 0.1 ng/μg (1 IEU/μg).
Purity	Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.

GENE INFORMATION

Gene Name	CRELD2 cysteine-rich with EGF-like domains 2 [Homo sapiens]
Official Symbol	CRELD2
Synonyms	CRELD2; cysteine-rich with EGF-like domains 2; cysteine-rich with EGF-like domain protein 2; MGC11256; DKFZp667O055;
Gene ID	79174
mRNA Refseq	NM_001135101
Protein Refseq	NP_001128573
MIM	607171
UniProt ID	Q6UXH1
Chromosome Location	22q13.33
Function	calcium ion binding; protein binding;

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