

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 α 4- β 2 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 AKKPTPCHRCRGLVDKFNQGMVDTAKKNFGGGNTAWEEKTLSESSSEIRLLEILE
GLCESSDFE CNQMLEAQEEHLEAWWLQLKSEYPDLFEWFCVKTLLKVVCCSPGTYG
PDCLACQGGGSRPCSGNGHC SGDGSRQGDGSCRCHMGYQGPLCTDCMDGYFS
SLRNETHSICTACDESKTCSGLTNRDCGECEV GWVLDEGACVDVDECAAEPSPC
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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