# Recombinant Human CRELD2 Protein (His Tag)

**Catalog No.** PKSH032332

***Note:*** Centrifuge before opening to ensure complete recovery of vial contents.

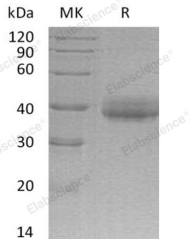
## Description

| | |
|---|---|
| **Synonyms** | Cysteine-Rich With EGF-Like Domain Protein 2;CRELD2 |
| **Species** | Human |
| **Expression Host** | HEK293 Cells |
| **Sequence** | Ala25-Leu321 |
| **Accession** | Q6UXH1-2 |
| **Calculated Molecular Weight** | 33.4 kDa |
| **Observed molecular weight** | 32-45 kDa |
| **Tag** | C-His |
| **Bioactivity** | Not validated for activity |

## Properties

| | |
|---|---|
| **Purity** | > 90 % as determined by reducing SDS-PAGE. |
| **Endotoxin** | < 1.0 EU per μg of the protein as determined by the LAL method. |
| **Storage** | Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ for 3 months. |
| **Shipping** | This product is provided as lyophilized powder which is shipped with ice packs. |
| **Formulation** | Lyophilized from a 0.2 μm filtered solution of PBS, 5%Trehalose, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual. |
| **Reconstitution** | Please refer to the printed manual for detailed information. |

## Data




> 90 % as determined by reducing SDS-PAGE.

## Background

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



Toll-free: 1-888-852-8623 Tel: 1-832-243-6086 Fax: 1-832-243-6017
Web: www.elabscience.com Email: techsupport@elabscience.com

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.


Toll-free: 1-888-852-8623 Tel: 1-832-243-6086 Fax: 1-832-243-6017
Web: www.elabscience.com Email: techsupport@elabscience.com