

CRELD2 Protein, Human, Recombinant (His)

General Information

Synonyms:	Cysteine-Rich With EGF-Like Domain Protein 2;CRELD2
Protein Construction:	Ala25-Leu321
Species:	Human
Expression Host:	HEK293 Cells
Accession:	Q6UXH1-2
Molecular Weight:	32-45 KDa (reducing condition)
AA Sequence:	Ala25-Leu321

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	Greater than 90% as determined by reducing SDS-PAGE. (QC verified)
Endotoxin:	< 0.1 ng/μg (1 EU/μg) as determined by LAL test.
Formulation:	Lyophilized from a solution filtered through a 0.22 μm filter, containing PBS, 5%Trehalose, pH 7.4.

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100 μg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein 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 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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