

Recombinant Human CRELD2 Protein (His Tag)

Catalog Number: PKSH032332

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

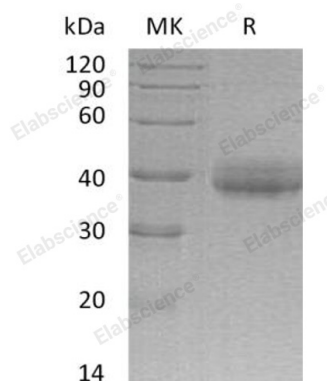
Description

Species	Human
Source	HEK293 Cells-derived Human CRELD2 protein Ala25-Leu321, with an C-terminal His
Calculated MW	33.4 kDa
Observed MW	32-45 kDa
Accession	Q6UXH1-2
Bio-activity	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 °C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C 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 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 $\alpha 4\text{-}\beta 2$ neuronal acetylcholine receptor. In addition, CRELD2 could be a novel mediator in regulating the onset and progression of various ER stress-associated diseases.

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