



Recombinant Protein Technical Manual

Recombinant Human CRELD2 Protein (His Tag)

RPES1878

Product Data:

Product SKU: RPES1878

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: Q6UXH1-2

Protein Information:

Molecular Mass: 33.4 kDa

AP Molecular Mass: 38 kDa

Tag: C-6His

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: 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.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Cysteine-Rich With EGF-Like Domain Protein 2; CRELD2

Immunogen Information:

Sequence: Ala25-Leu321

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 $\alpha 4$ - $\beta 2$ neuronal acetylcholine receptor. In addition, CRELD2 could be a novel mediator in regulating the onset and progression of various ER stress-associated diseases.