

CRELD2 Protein, Mouse, Recombinant (His)

General Information

Synonyms:	5730592L21Rik;cysteine-rich with EGF-like domains 2;C85758
Protein Construction:	A DNA sequence encoding the mouse CRELD2 (NP_083996.1) (Met1-Leu350) was expressed with a C-terminal polyhistidine tag. Predicted N terminal: Ser 23
Species:	Mouse
Expression Host:	HEK293 Cells
Accession:	Q9CYA0
Molecular Weight:	37.5 kDa (predicted); 51.3 kDa (reducing conditions)

QC Testing

Biological Activity:	Measured by the ability of the immobilized protein to support the adhesion of ATDC5 mouse chondrogenic cells. When 5×10^4 cells/well are added to mCRELD2-coated plates (0.625 µg/mL, 100 µL/well), approximately 20% cells will adhere after 60 minutes at 37°C.
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin:	< 1.0 EU/µg of the protein as determined by the LAL method.
Formulation:	Lyophilized from a solution filtered through a 0.22 µm filter, containing PBS, pH 7.4. Typically, a mixture containing 5% to 8% trehalose, mannitol, and 0.01% Tween 80 is incorporated as a protective agent before lyophilization.

Preparation and Storage

Reconstitution:
A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

It is recommended to store recombinant proteins at -20°C to -80°C for future use. 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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