

CR1L Protein, Mouse, Recombinant (His)

General Information

Synonyms:	Cr1l;Crry;Complement component receptor 1-like protein;Protein p65;Cry;Complement regulatory protein Crry
Protein Construction:	41-405 aa
Species:	Mouse
Expression Host:	E. coli
Accession:	Q64735
Molecular Weight:	44.5 kDa (predicted)
AA Sequence:	ELRGGLGKHGHTVHREPAVNRLCADSKRWSGLPVSAQRPFPMGHCPAPSQLPSAKPINLTDESMFPIGYLL YECLPGYIKRQFSITCKQDSTWTS AEDKCIKQCKTPSDPENGLVHVHTGIQFGSRINYTCNQGYRLIGSSAV CVITDQSV DWDTEAPICEWIPCEIPP GIPNGDFFSSTREDFHYGMVVTYRCNTDARGKALFNLVGEPSLYCTSN DGEIGVWSGPPPQCIELNKCTPPPYVENAVMLSENRSFLSLRDIVEFRCHPGFIMKGASSVHCQSLNKWEPEL PSCFKGVICRLPQEMSGFQKGLGMKKEYYYGENVTLECEDGYTLEGSSQSQCQSDGSWNPLLAKCVSRISIG

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:	> 85% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Tris-based buffer, 50% glycerol

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:

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

Acts as a cofactor for complement factor I, a serine protease which protects autologous cells against complement-mediated injury by cleaving C3b and C4b deposited on host tissue. Also acts as a decay-accelerating factor,

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preventing the formation of C4b2a and C3bBb, the amplification convertases of the complement cascade. Plays a crucial role in early embryonic development by maintaining fetomaternal tolerance. Also acts as a costimulatory factor for T-cells which favors IL-4 secretion.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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