

CARDS Protein, Mycoplasma pneumoniae, Recombinant (His & Myc)

General Information

Synonyms:	cards;ADP-ribosylating toxin CARDS;Community-Acquired Respiratory Distress Syndrome Toxin (CARDX TX);ADP-ribosyltransferase CARDS
Protein Construction:	1-202 aa
Species:	Mycoplasma pneumoniae
Expression Host:	E. coli
Accession:	P75409
Molecular Weight:	30.4 kDa (predicted)
AA Sequence:	MPNPVRFVYRVDLRSPEEIFEHGFSTLGDVRNFFEHILSTNFGRSYFISTSETPTAAIRFFGSWLREYVPEHPRR AYLYEIRADQHFYNARATGENLLDLMRQRQVVFDSGDREMAQM GIRALRTSFAYQREWFTDGPAAAAANVRS AWLVDVAVPVEPGHAHHPAGRVVETTRINEPEMHNPHYQELQTQANDQPWLPTPGIA

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 an ADP-ribosylating toxin, which may transfer the ADP-ribosyl group from NAD(+) to specific amino acids in target proteins. Elicits cytopathic effects in mammalian cells, such as disorganization and disruption of respiratory epithelial integrity in tracheal epithelium and vacuolization in the cytoplasm of CHO and HeLa cells.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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