

OriGene Technologies Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850 UNITED STATES Phone: +1-858-888-7900 Fax: +1-858-888-7904 <u>US-info@acris-antibodies.com</u>

AR10741PU-N OriGene EU

Acris Antibodies GmbH Schillerstr. 5 32052 Herford GERMANY Phone: +49-5221-34606-0 Fax: +49-5221-34606-11 info@acris-antibodies.com

Cyclosporine-A - Purified

Catalog No.:	AR10741PU-N
Quantity:	4 g
Background:	 Cyclosporine A is a noncytotoxic, natural, 11 amino acid cyclic peptide used clinically as an immunosuppressant for the treatment of autoimmune and inflammatory disorders and to prevent organ rejection after transplantation. Cyclosporine acts chiefly by inhibiting T lymphocyte function, which is vital for the propagation of inflammation. Cyclosporine A does not suppress the activity of other hematopoietic cells, does not cause bone marrow suppression and has a rapid onset of action as opposed to other immunosuppressive agents. Nevertheless, Cyclosporine A -induced nephrotoxicity remains an important clinical problem, and oxidative stress has been implicated as a potential responsible mechanism.
Source:	Beauveria nlyea
Format:	 State: Sterile Filtered White lyophilized (freeze-dried) powder Purity: > 98.0% as determined by both RP-HPLC and Mass Spectral Anaylsis {MALDI-TOF exhibits correct Mw} Buffer System: Lyophilized from a concentrated (1 mg/ml) solution with no additives Reconstitution: Restore in sterile 18MΩ-cm⁻¹ H₂O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions
Description:	Cyclosporine is a cyclic polypeptide immunosuppressant agent consisting of 11 amino acids and having a Molecular Weight of 1202.64. It is produced as a metabolite by the fungus species Beauveria nlyea. Chemically, Cyclosporine is designated as [R-[R*,R*-(E)]]-cyclic(L-alanyl-D- alanyl-N-methyl- L-leucyl-N-methyl-L-leucyl-N-methyl-L-valyl-3-hydroxy-N, 4-dimethyl-L-2-amino-6-octenoyl-L- a-amino-butyryl- N-methylglycyl-N- methyl-L-leucyl-L-valyl-N-methyl-L-leucyl). Molecular formula: $C_{62}H_{111}N_{11}O_{12}$
Storage:	Prior to reconstitution store at 2-8°C for one month or desiccated below -18°C. Following reconstitution store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

Acris Antibodies is now part of the OriGene family. Learn more at www.origene.com



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1/1