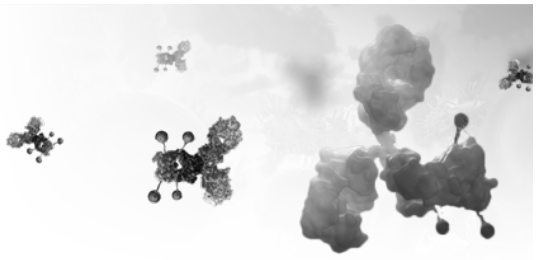

Recombinant B. nlyea Cyclosporin A (DAG4067)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Cyclosporin-A
Species	B. nlyea
Purity	Greater than 98.0% as determined by(a) Analysis by RP-HPLC. (b) Mass Spectral Anaylsis {MALDI-TOF exhibits correct Mw}.
Conjugate	Unconjugated
Applications	immunogen
Format	The Cyclosporin-A was lyophilized from a concentrated (1mg/ml) solution with no additives. Sterile Filtered White lyophilized (freeze-dried) powder.
Preservative	None
Storage	2-8°C short term, -20°C long term

BACKGROUND

Introduction	Cyclosporin 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. Cyclosporin acts chiefly by inhibiting T lymphocyte function, which is vital for the propagation of inflammation. Cyclosporin 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, Cyclosporin A -induced nephrotoxicity remains an important clinical problem, and oxidative stress has been implicated as a potential responsible mechanism. Cyclosporin is a cyclic polypeptide immunosuppressant agent consisting of 11 amino acids and having a molecular weight of

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	1202.64. It is produced as a metabolite by the fungus species Beauveria nlyea. Chemically, cyclosporin is designated as 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-amino-butyryl- N-methylglycyl-N- methyl-L-leucyl-L-valyl-N-methyl-L-leucyl). Molecular Formula: C62H111N11O12.
Keywords	PIN; DLC1; DLC8; DNCL1; DNCLC1; Dynein Light Chain LC8-type 1; Dynein Cytoplasmic Light polypeptide 1; Protein Inhibitor of Neuronal Nitric Oxide Synthase; Ciclosporin; INN; BAN; cyclosporine; cyclosporin; CsA; immunosuppressant dru

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