



Recombinant *Staphylococcus simulans* Lysostaphin (DAG3881)

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

PRODUCT INFORMATION

Product Overview	Recombinant <i>Staphylococcus simulans</i> Non-structural Protein Lysostaphin
Antigen Description	Lysostaphin is a <i>Staphylococcus simulans</i> metalloendopeptidase. It can function as an antimicrobial against <i>Staphylococcus aureus</i> . Lysostaphin is a 27 KDa glycylglycine endopeptidase, an antibacterial enzyme which is capable of cleaving the crosslinking pe
Species	<i>S. simulans</i>
Purity	96.9% as determined by RP-HPLC.
Conjugate	Unconjugated
Format	The protein was lyophilized without any additives. Sterile Filtered lyophilized powder
Preservative	None
Storage	2-8°C short term, -20°C long term

BACKGROUND

Introduction	Stylium simulans is a dicotyledonous plant that belongs to the genus Stylium (family Styliaceae) that was described by Sherwin Carlquist in 1979. It is an erect annual plant that grows from 7 to 11 cm tall. Orbicular leaves, about 4-10 per plant, form basal rosettes. The leaves are generally 3-5.5 mm long and 1.5-3.5 mm wide. This species generally has one or two scapes and cymose inflorescences that are 7-11 cm long. Flowers are pale pink or mauve. <i>S. simulans</i> is endemic to the Arnhem Land plateau in the Northern Territory of Australia, but not much more is known about its distribution as it is only known from around its type location. Its reported habitat is in shallow sandy soils on a sandstone plateau. It flowers in the southern hemisphere in June. <i>S. simulans</i> is closely related to <i>S. accedens</i> . Its conservation status has
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been assessed as data deficient.

Keywords	Glycyl glycine endopeptidase; Iss; <i>S. simulans</i> Lysostaphin; <i>S. simulans</i> Lysostaphin; <i>Styliodium simulans</i> Lysostaphin
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