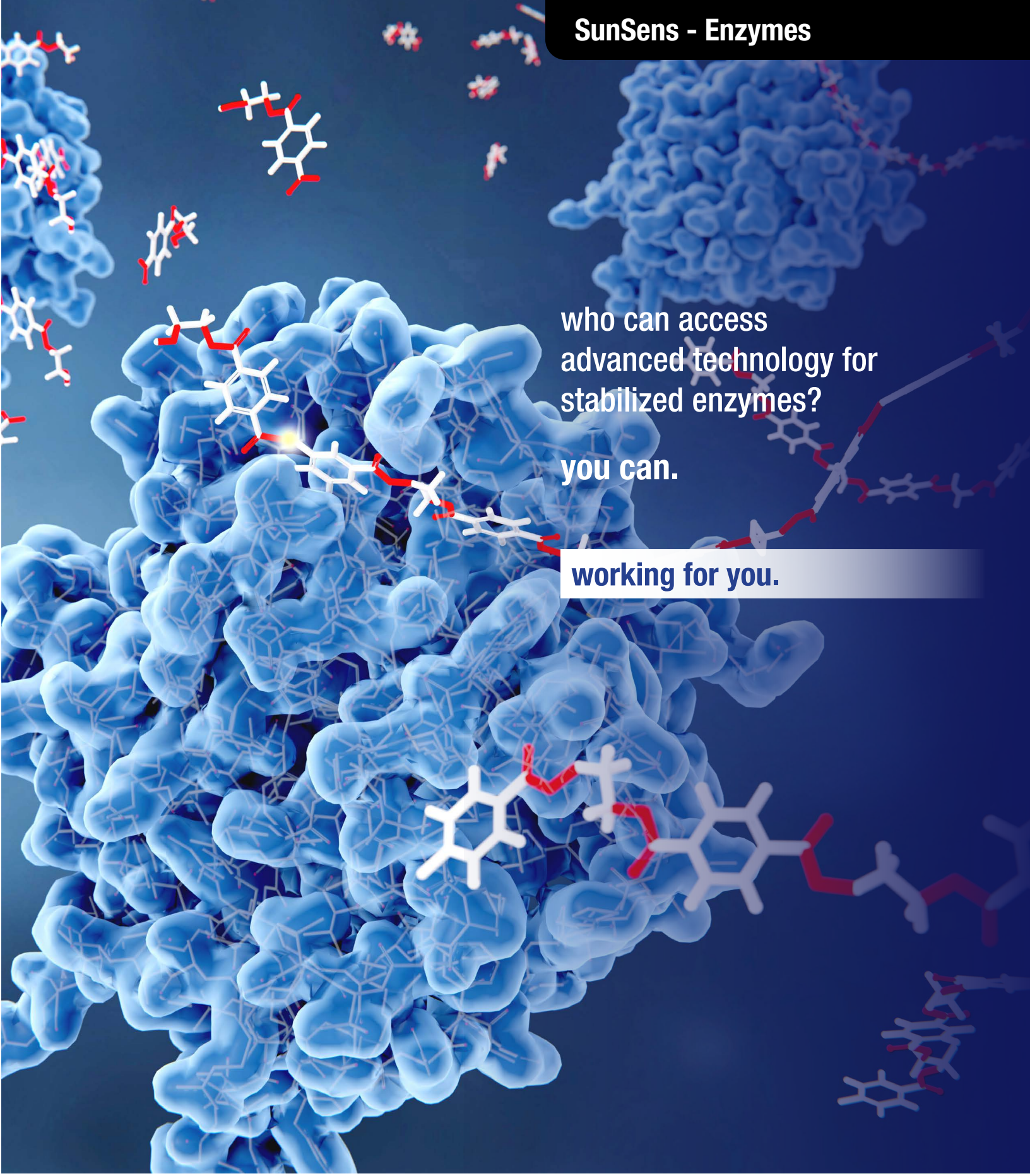

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DIC Color & Comfort

Stabilized Enzymes

Enzymes are biological catalysts used in a wide range of applications to detect analytes. They are integrated into numerous biosensors and other detection products. Enzyme stability is critical when working with nonconventional pH values and temperatures. Sun Chemical has a selection of SunSens stabilized enzymes that offer opportunities to applications where the unstabilized form has limited performance.

SunSens helps reach this stability through electrostatically combining the enzyme with unique mixtures of polymers and polyalcohols. These complex mixtures maintain activity values for longer periods of time and at nonconventional conditions. Through investigation, Sun Chemical has produced unique formulae for a variety of enzymes.

Stabilized Enzymes - Product Selector

Product Name	Product Code	Activity (u/mg)	Form Supplied	Source
Stabilized Lactate Oxidase (LOX)	E2030703P1	>11	Yellow powder	Aerococcus Viridans
Stabilized Peroxidase (HRP)	E2051212P1	>10	Brown powder	Horseradish
Stabilized Glucose Oxidase (GOX)	E2061204P2	>100	Yellow powder	Aspergillus Niger
Stabilized Creatinase (CN)	E2070831D3	>2	White powder	Escherichia Coli
Stabilized Sarcosine Oxidase (SOX)	E2070831D4	>9	Yellow powder	Escherichia Coli
Stabilized Creatininase (CNN)	E2070831D5	>2	White powder	Escherichia Coli
Stabilized Alcohol Oxidase (AOX)	E2081204D1	>1	Brown powder	Pichia Pastoris

Stabilizer Solutions - Product Selector

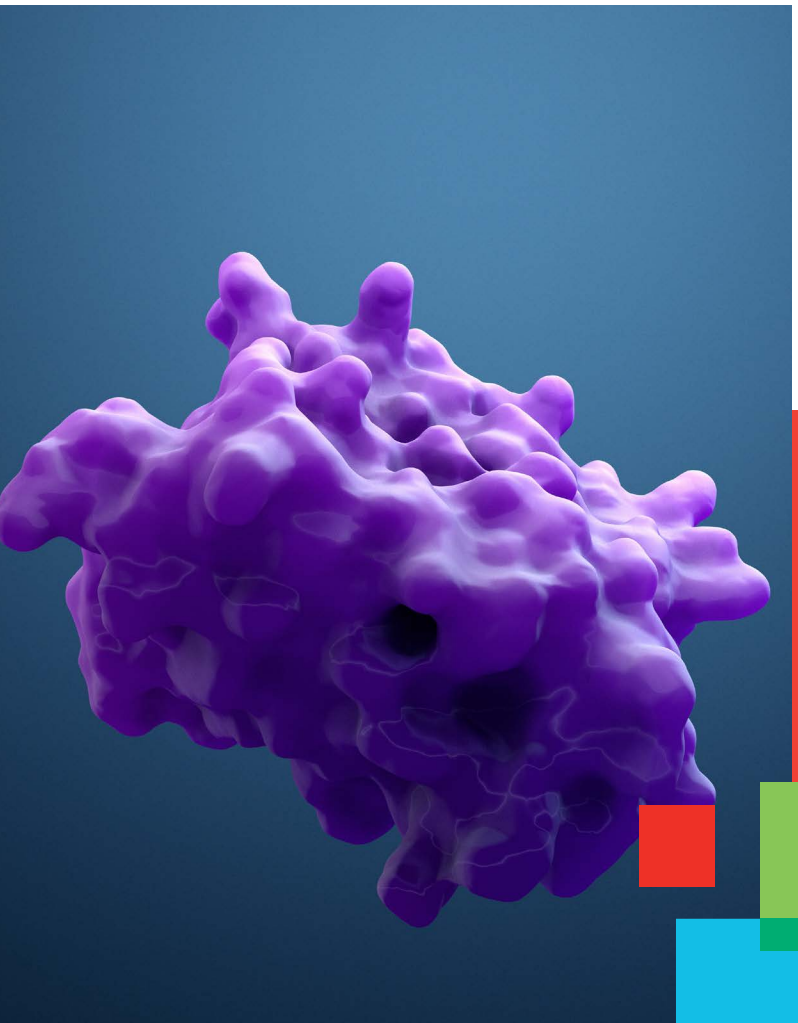
Product Name	Product Code	Form Supplied
Glucose Oxidase Stabilizer Solution	Q2090625D15	Clear Liquid
Glucose Dehydrogenase (FAD dependent) Stabilizer Solution	Q2030317P49	Clear Liquid
Antibody Stabiliser	Q2030529P1	Clear Liquid

SunSens offers stabilizer solutions for Glucose Oxidase and Glucose Dehydrogenase (FAD dependent)

Contract Research

Sun Chemical can help you conduct research and optimize your applications. Our technical understanding and expertise can help to achieve the objectives of your investigation. Our Sun Chemical research team is focused on identifying the correct stabilizer solution for individual proteins. A series of accelerated tests (50°C, 37°C and 25°C) are carried out, with a variety of formulae and checked optically for the enzymic activity after at least 4 months.

SunChemical research has led to the generation of many stable enzyme formulae. However, we can also investigate stabilized systems related to contaminants, immobilization techniques and drying techniques. Sun Chemical can help you develop new biosensors, lower the limit of detection of a sensor to name a few services. Please contact our team with your application challenges for a review.



Contact Us Now!

Contact us at
GlobalMarketing@sunchemical.com

A partner who transforms with you.

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working for you.

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