Creative Enzymes®

Transglutaminase from Guinea pig, Recombinant

Cat. No. NATE-1721

Lot. No. (See product label)

Introduction

Description	Catalyzes acyl transfer reactions from glutamine residues in proteins or peptides to primary amines, e. g. the formation of ε-(γ-glutamyl) lysine bonds between proteins by transferring the acyl group of a peptide-bound glutamine residue to the primary amino group of a peptide-bound lysine residue.

Product Information

Species	Guinea pig liver
Source	E.coli
Form	Lyophilized from 50mM NaH2PO4, pH 8.0, containing 150mM sodium chloride. Sample contains maltodextrin.
EC Number	EC 2.3.2.13
CAS No.	80146-85-6
Molecular Weight	~77kDa
Purity	>95% (SDS-PAGE)
Activity	>8 U/mg
Unit Definition	One unit is defined as the formation of 1 μmol hydroxamate per minute from Z-Gln-Gly-OH and hydroxylamine at pH 6.0 at 37°C containing 10mM CaCl2 (L-Glutamic acid γ-monohydroxamate is the standard)].
Notes	INTENDED FOR RESEARCH USE ONLY, NOT FOR USE IN HUMAN, THERAPEUTIC OR DIAGNOSTIC APPLICATIONS.

Usage and Packaging

Reconstitution	Reconstitute with water. Rotate vial gently until solid dissolves.

Storage and Shipping Information

Storage	Store at -20°C. After reconstitution, prepare aliquots and store at -20°C. Avoid freeze/thaw cycles.