

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 μ mol 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.