

Transglutaminase from Microbial, Recombinant

Cat. No. NATE-3650

Lot. No. (See product label)

Introduction

Description Transglutaminases are a family of enzymes that catalyze the posttranslational modification of proteins by inserting an isopeptide bond within or between polypeptide chains. These enzymes catalyze the acyl transfer reaction between the γ -carboxamide groups of peptidebound glutamine residues and a variety of primary amines, particularly the ϵ -amino group of lysine. The resulting crosslink is of great significance, since it is highly stable and also resistant to mechanical and proteolytic degradation.

Product Information

Source Recombinantly produced in E. coli.

Form White lyophilized solid.

Molecular Weight 38,333 Da

Purity > 95 % (SDS-PAGE)

Activity >25 U/mg [One unit will catalyse the formation of 1 μ mole of hydroxamate per min from Z-Gln-Gly-OH and hydroxylamine at pH 6.0 at 37°C]

Storage and Shipping Information

Storage Store at -20°C in working aliquots. Repeated freezing and thawing is not recommended.