

Transglutaminase from Guinea pig, Recombinant

Product Information

Cat#	NATE-1721
Abbr	TGase, Recombinant (Guinea pig)
Similar	Transglutaminase
Species	Guinea pig liver
Source	E.coli
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.
Form	Lyophilized from 50mM NaH ₂ PO ₄ , pH 8.0, containing 150mM sodium chloride. Sample contains maltodextrin.
Enzyme Commission Number	EC 2.3.2.13
Activity	>8 U/mg
CAS No.	80146-85-6
Molecular Weight	~77kDa
Purity	>95% (SDS-PAGE)
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 CaCl ₂ (L-Glutamic acid γ -monohydroxamate is the standard)].
Storage	Store at -20°C. After reconstitution, prepare aliquots and store at -20°C. Avoid freeze/thaw cycles.
Reconstitution	Reconstitute with water. Rotate vial gently until solid dissolves.