Transglutaminase 2 (human) (recombinant) (His) (stored in glycerol)

Ordering Information

Order Online »

NZY-T067-001	1mg

Manuals, SDS & CofA

View Online »

Handling & Storage

Handling	After opening, prepare aliquots and store at -20°C. Avoid freeze/thaw cycles.
Long Term Storage	-20°C
Shipping	Blue Ice

Regulatory Status

RUO - Research Use Only

Product Details

Activity	>1500 U/mg [Activity is determined by measuring the rate of fluorescence enhancement after His6-rhTG2-catalyzed monodansylcadaverine-incorporation into N,N-dimethylated casein according to Lorand et al., Anal. Biochem. 44 (221-231). 1U is defined as the increase in fluorescence intensity of 1 a.u./min (measured on a Cary eclipse fluorescence spectrophotometer, Varian; λex = 332 nm, λem = 500 nm; band filter = 5 nm; detector strength = 600 V; temperature = 37°C, assay volume = 1 ml)].
Alternative Name	Tissue-type Transglutaminase, TG2, TGase 2, Protein-glutamine-γ-glutamyltransferase
Application Notes	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. His_6-rhTG2 may also be used for
Formulation	Liquid. In 10mM TRIS-HCl, pH 8.1, 150mM sodium chloride, 1mM EDTA , 1mM DTT and 25% Glycerol. His_6-rhTG2 is a Ca^{2+}-dependent enzyme. Activation: Add 10mM Ca^{2+} to activate His_6-rhTG2.
MW	~78kDa
Purity	≥90% (SDS-PAGE)
Source	Produced in insect cells.
Technical Info / Product Notes	For the Original Manufacturer's data sheet please click here.

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