Transglutaminase 2 (dog) (recombinant) (His)

Ordering Information

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NZY-T072-001	1mg
NZY-T072-250	250µg

Manuals, SDS & CofA

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Handling & Storage

Handling	After reconstitution, prepare aliquots and store at -20°C. Avoid freeze/thaw cycles.
Long Term Storage	-20°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Activity	>1500 U/mg [Activity is determined by measuring the rate of fluorescence enhancement after His6-clTG2-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-clTG2 may also be used for
Formulation	Lyophilized from 10mM TRIS-HCl, pH 8.1, 150mM sodium chloride, 1mM EDTA and 5mM DTT. Sample contains maltodextrin. His_6-rhTG2 is a Ca^{2+}-dependent enzyme. Activation: Add 10mM Ca^{2+} to activate His_6-clTG2.
MW	~78kDa
Purity	≥90% (SDS-PAGE)
Reconstitution	Add water to the vial of lyophilized powder. Rotate vial gently until solid dissolves. After reconstitution the solution should be stored frozen in working aliquots.
Source	Produced in insect cells.
Technical Info / Product Notes	For the Original Manufacturer's data sheet please click here.

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