

Product number **T141**
Revision number **RN2.0**

Product Name	Biotinylated human neuronal transglutaminase
Synonym	Neuronal Transglutaminase, TG _γ , TG6, TGase 6, proteinglutamine-γ-glutamyltransferase
Source	Recombinant produced in insect cells, followed by biotinylation
Quantity	100 µg
Molecular Weight	78 kDa
Application	His ₆ -rhTG6 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.
Appearance	Liquid
Purity	> 95 % (visually by SDS-PAGE) The gel shows a single dominant protein band at ~80 kDa.
Reagents	The Transglutaminase is formulated in 10 mM Sodium Phosphate pH 8.0, 500 mM NaCl. Sample contains 50% glycerol. His ₆ -rhTG6 is a Ca ²⁺ -dependent enzyme.
Storage	Store at -20 °C in working aliquots. Repeated freezing and thawing is not recommended.
Reference(s)	Schaertl et al., J. Biomol. Screen. 2010, 15:478-87
Related products	T021 Human neuronal transglutaminase (hTG6, recombinantly produced in insect cells) T064 Inhibited human neuronal transglutaminase A017 Polyclonal antibody to epidermal transglutaminase A031 FITC-labeled polyclonal antibody to human TG6 T036 Transglutaminase Assay Kit, fluorescent
Release date	29 December 2021
NOTE	INTENDED FOR RESEARCH USE ONLY, NOT FOR USE IN HUMAN, THERAPEUTIC OR DIAGNOSTIC APPLICATIONS.