

Product number **T246**  
Revision number **RN2.0**

---

<b>Product Name</b>	Recombinant human tissue transglutaminase (Cys-277-Ser) (inactive mutant)
<b>Synonym</b>	Tissue-type Transglutaminase, TG2, TGase 2, protein-glutamine- $\gamma$ -glutamyltransferase
<b>Source</b>	Recombinantly produced in insect cells
<b>Molecular Weight</b>	78 kDa
<b>Application</b>	The recombinant antigen is meant for solid (ELISA and immuno blot) and fluid phase diagnostic assays. The protein is bound by human type IgA and IgG (auto) antibodies.
<b>Purity</b>	HPLC: > 95% SDS-PAGE (Coomassie): single dominant protein band at ~80 kDa.
<b>Appearance</b>	White lyophilized solid.
<b>Formulation</b>	Purified rhTG2 is formulated in the following buffer: 10 mM Tris-HCl pH 8.1, 150 mM NaCl, 5 mM DTT, 1 mM EDTA, 189 mg/mL Maltodextrin
<b>Reconstitution</b>	Add the volume of H <sub>2</sub> O the protein is lyophilized from (see Certificate of Analysis) to the vial of lyophilized powder. Rotate vial gently until solid dissolves. After reconstitution the solution should be stored frozen in working aliquots. Keep cooled on ice for short term storage.
<b>Coating</b>	Dilute with your coating buffer to an appropriate concentration e.g. 1 $\mu$ g/ml. Please notice that coating conditions have to be evaluated carefully.
<b>Storage</b>	Store at -80°C.  If storage at -80°C is not possible, storage at $\leq$ -20°C is recommended. While no formal stability data are available at -20°C, according to our overall experience stability is still given.  Upon reconstitution, store undiluted working aliquots preferably at -80°C (if not possible at $\leq$ -20°C, see comment above). Avoid repeated freezing and thawing.  <b><i>Delivery is possible at ambient temperature</i></b>
<b>Related products</b>	T110 Recombinant TG2 ( <i>E. coli</i> ) T051 Open tTG™
<b>Release date</b>	03 January 2022
<b>NOTE</b>	INTENDED FOR RESEARCH USE ONLY, NOT FOR USE IN HUMAN, THERAPEUTIC OR DIAGNOSTIC APPLICATIONS.