

Active Recombinant *Streptomyces mobaraensis* Transglutaminase (Research Grade)

Cat. No. TGase-11S **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant <i>Streptomyces mobaraensis</i> Transglutaminase (Research Grade)
Species	<i>Streptomyces mobaraensis</i>
Source	E.coli
Description	Transglutaminases are a family of enzymes (EC 2.3.2.13) that catalyze the formation of a covalent bond between a free amine group of protein- or peptide-bound lysine (acyl acceptors) and the gamma-carboxamide group of protein- or peptide-bound glutamine (acyl donors).
Form	White lyophilized solid
Bio-activity	> 30 U/mg
Molecular Mass	38334.0 Da
Endotoxin	< 0.004 EU/U
Purity	> 98%
Applications	Labeling, immobilisation, conjugation, and modification of proteins.
Notes	INTENDED FOR RESEARCH USE ONLY, NOT FOR USE IN HUMAN,

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

THERAPEUTIC OR DIAGNOSTIC APPLICATIONS.

Storage	Store at -80 centigrade. Upon reconstitution, store working aliquots undiluted. If storage at -80 centigrade is not possible, storage at ≤ -20 centigrade is recommended.
Concentration	9-11 mg/mL
Storage Buffer	The purified transglutaminase is lyophilized from 50 mM HEPES pH 7.4.
Reconstitution	Add the volume of H ₂ O the protein is lyophilized from (see Certificate of Analysis) to the vial of lyophilized powder. Rotate vial gently until solid dissolves.

GENE INFORMATION

Official Symbol	TGase
Synonyms	EC 2.3.2.13; Protein-glutamine- γ -glutamyltransferase; TGase; Transglutaminase; Transferase

 Tel: 1-631-559-9269 1-516-512-3133 Email: info@creative-biomart.com  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA