Active Recombinant Streptomyces mobaraensis Transglutaminase (Research Grade)

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

SPECIFICATION

Product Overview	Recombinant Streptomyces mobaraensis Transglutaminase (Research Grade)
Species	Streptomyces mobaraensis
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,

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	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 H2O 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

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