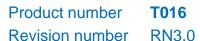
Product Data Sheet





Product Name Microbial Pro-transglutaminase

(His₆-rProTG) Proenzyme (Zymogen)

Synonym EC 2.3.2.13; Protein-glutamine-γ-glutamyltransferase; Bacterial Pro-transglutaminase,

pro-MTG, pro-BTG

Source Recombinantly produced in *E. coli*

Quantity 250 μgMolecular Weight 43 kDa

Application Labeling, immobilisation, conjugation and modification of proteins.

Purity > 90% [SDS-PAGE and Coomassie staining]

Appearance White lyophilized solid.

Reagents The Protransglutaminase is lyophilised from 10 mM Tris-HCl pH 8.0, 150 mM NaCl.

Reconstitution Add the volume of water specified in the certificate of analysis under aliquotation to the vial of

lyophilized powder. Rotate vial gently until solid dissolves. For short term storage keep cooled

on ice.

Activation: 10 μl His6-rProTG (1 μg/μl)

35 µl 50 mM Tris-HCl pH 8

5 μl Dispase II (Roche) (0.2 μg/μl)

Incubate for 20 min at 30°C

Specific Activity 13 U/mg [One unit will catalyse the formation of 1 µmol of hydroxamate per min from

Z-Gln-Gly-OH and hydroxylamine at pH 6.0 at 37 °C, Grossowicz et al. (1950)]

Storage Store at –20 °C in working aliquots. Repeated freezing and thawing is not recommended.

Delivery at ambient temperature is possible

Reference(s) Pasternack et al., Eur. J. Biochem. 1998, 257:570-6

Related products T001 Microbial transglutaminase

Z009 Zedi Xclusive Microbial Transglutaminase Assay Kit

C102 MTG-Blocker

A020 Polyclonal antibody to microbial protransglutaminase (pro-MTG, pro-BTG)

Release date 23 December 2021

NOTE INTENDED FOR RESEARCH USE ONLY, NOT FOR USE IN HUMAN, THERAPEUTIC OR

DIAGNOSTIC APPLICATIONS.