

Transglutaminase, Streptovercillium mobaraense

Cat. No.:	HY-P2962
CAS No.:	80146-85-6
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

Transglutaminase

BIOLOGICAL ACTIVITY

Description	Transglutaminase, Streptovercillium mobaraense (TG) is an enzyme that forms crosslinks between protein molecules. Transglutaminase catalyses the formation of an isopeptide bond between the group of γ -carboxamides of glutamine residues and the first-order ϵ -amine groups of different compounds. Transglutaminase is involved in many physiological processes, including coagulation, antibacterial immune reactions and photosynthesis ^[1] .
In Vitro	Transglutaminase activity can be increased by Co^{2+} , Ba^{2+} and K^{+} ^[1] . Microbial transglutaminases are inhibited by Zn^{2+} , Cu^{2+} , Hg^{2+} and Pb^{2+} ions which bind to the thiol group of cysteine in the active centre ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Kieliszek M, Misiewicz A. Microbial transglutaminase and its application in the food industry. A review. Folia Microbiol (Praha). 2014 May;59(3):241-50.

Caution: Product has not been fully validated for medical applications. For research use only.

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