



# SZABO SCANDIC

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## Produktinformation



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### Zuschläge

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- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## 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

<b>Description</b>	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 $\gamma$ -carboxamides of glutamine residues and the first-order $\epsilon$ -amine groups of different compounds. Transglutaminase is involved in many physiological processes, including coagulation, antibacterial immune reactions and photosynthesis <sup>[1]</sup> .
<b>In Vitro</b>	Transglutaminase activity can be increased by $\text{Co}^{2+}$ , $\text{Ba}^{2+}$ and $\text{K}^{+}$ <sup>[1]</sup> . Microbial transglutaminases are inhibited by $\text{Zn}^{2+}$ , $\text{Cu}^{2+}$ , $\text{Hg}^{2+}$ and $\text{Pb}^{2+}$ ions which bind to the thiol group of cysteine in the active centre <sup>[1]</sup> . 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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