

**TGM5 Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP19201b****Specification**

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**TGM5 Antibody (C-term) Blocking Peptide - Product Information**

Primary Accession [O43548](#)

**TGM5 Antibody (C-term) Blocking Peptide - Additional Information**

**Gene ID** 9333

**Other Names**

Protein-glutamine gamma-glutamyltransferase 5, Transglutaminase X, TG(X), TGX, TGase X, Transglutaminase-5, TGase-5, TGM5, TGMX

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**TGM5 Antibody (C-term) Blocking Peptide - Protein Information**

**Name** TGM5

**Synonyms** TGMX

**Function**

Catalyzes the cross-linking of proteins and the conjugation of polyamines to proteins. Contributes to the formation of the cornified cell envelope of keratinocytes.

**Cellular Location**

Cytoplasm. Note=Associated with intermediate filaments

**Tissue Location**

Expressed in foreskin keratinocytes.

**TGM5 Antibody (C-term) Blocking Peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

#### **TGM5 Antibody (C-term) Blocking Peptide - Images**

#### **TGM5 Antibody (C-term) Blocking Peptide - Background**

This gene encodes a member of the transglutaminase family. The encoded protein catalyzes formation of protein cross-links between glutamine and lysine residues, often resulting in stabilization of protein assemblies. This reaction is calcium dependent. Mutations in this gene have been associated with acral peeling skin syndrome.

#### **TGM5 Antibody (C-term) Blocking Peptide - References**

Kiritzi, D., et al. J. Invest. Dermatol. 130(6):1741-1746(2010) Kharfi, M., et al. J. Invest. Dermatol. 129(10):2512-2515(2009) Broderick, P., et al. Cancer Res. 69(16):6633-6641(2009) Pietroni, V., et al. J. Invest. Dermatol. 128(12):2760-2766(2008) Cassidy, A.J., et al. Am. J. Hum. Genet. 77(6):909-917(2005)