

Datasheet for ABIN7544373  
**TGM4 Protein (AA 1-684) (His tag)**



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## Overview

Quantity:	1 mg
Target:	TGM4
Protein Characteristics:	AA 1-684
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TGM4 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

## Product Details

Purpose:	Custom-made recombinat TGM4 Protein expressed in mammalian cells.
Sequence:	<p>MMDASKELQV LHIDFLNQDN AVSHHTWEFQ TSSPVFRRGQ VFHLRLVLNQ PLQSYHQLKL</p> <p>EFSTGPNPSI AKHTLVVLDP RTPSDHYNWQ ATLQNESGKE VTVAVTSSPN AILGKYQLNV</p> <p>KTGNHILKSE ENILYLLFNP WCKEDMVFMP DEDERKEYIL NDTGCHYVGA ARSIKCKPWN</p> <p>FGQFEKNVLD CCISLLTESS LKPTDRRDPV LVCRAMCMM SFEKGQGVLI GNWTGDYEGG</p> <p>TAPYKWTGSA PILQQYYNTK QAVCFGQCWV FAGILTTVLR ALGIPARSVT GFDSAHDTER</p> <p>NLTVDTYVNE NGEKITSMTH DSVWNFHVWT DAWMKRPDLP KGYDQWQAVD ATPQRSQGV</p> <p>FCCGPSPLTA IRKGDIFIVY DTRFVFSEVN GDRLIWLVKM VNGQEELHVI SMETTSIGKN</p> <p>ISTKAVGQDR RRDITYEYKY PEGSSEERQV MDHAFLLSS EREHRRPVKE NFLHMSVQSD</p> <p>DVLLGNSVNF TVILKRKTAA LQNVNIGLSF ELQLYTGKKM AKLCDLNKTS QIQGQVSEVT</p> <p>LTLDSKTYIN SLAILDDEPV IRGFIIAEIV ESKEIMASEV FTSFQYPEFS IELPNTGRIG QLLVCNCIFK</p> <p>NTLAIPLTDV KFSLESGLIS SLQTSDHGTV QPGETIQSQI KCTPIKTGPK KFIVKLSSKQ</p>

VKEINAQKIV LITK **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**

Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li><li>• Protein expressed in mammalian cells and purified in one-step affinity chromatography</li><li>• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.</li><li>• State-of-the-art algorithm used for plasmid design (Gene synthesis).</li></ul> <p>This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.</p>
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Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

Target Details

Target:	TGM4
Alternative Name:	TGM4 ( <a href="#">TGM4 Products</a> )
Background:	Protein-glutamine gamma-glutamyltransferase 4 (EC 2.3.2.13) (Fibrinolyase) (Prostate transglutaminase) (Prostate-specific transglutaminase) (Transglutaminase P) (TG(P)) (TGP) (TGase P) (Transglutaminase-4) (TGase-4),FUNCTION: Associated with the mammalian reproductive process. Catalyzes the cross-linking of proteins and the conjugation of polyamines to specific proteins in the seminal tract.
Molecular Weight:	77.1 kDa
UniProt:	<a href="#">P49221</a>

## Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
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Restrictions:	For Research Use only
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## Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months