

Datasheet for ABIN7559042
TGM4 Protein (AA 1-670) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	TGM4
Protein Characteristics:	AA 1-670
Origin:	Mouse
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 mammalien cells.
Sequence:	<p>MDSRNVLIY AVNVERKLNA AAHHTSEYQT KKLVLRRGQI FTLKVILNRP LQPQDELKVT</p> <p>FTSGQRDPY MVELDPVTSY RSKGWQVKIA KQSGVEVILN VISAADAVVG RYKMRVNEYK</p> <p>AGVFYLLFNP WCSDDSVFMA SEEERAIEYL NDTGYMYMGF AKQIKEKPWT FGQFEKHLS</p> <p>CCFNLLFQLE NNEMQNPVLV SRAICTMMCA ANGGVLMGNW TGDYADGTAP YVWTSSVPIL</p> <p>QQHYVTRMPV RYGQCWVFSG ILTTALRAVG IPARSVTNFE SAHDTEKNLT VDIYLDESGK</p> <p>TIPHLTKDSV WNFHWTDW MKRQDLPHGY DGWQVLDSTP QEISDGGFRT GPSPLTAIRQ</p> <p>GLIQMKYDTT FVFTEVNGDK FIWLVKQNGE REKNILIAVE TASLGKKIST KMGVGNRRER</p> <p>ITLQYRFPEG SPEERKVMK ASGKPSDDKL NSRTLNNSLQ ISVLQNSLEL GAPIYLTITL</p> <p>KRKTATPQNV NISCSNLQY YTGNNKTNLG VIQKTVQIHG QESRVFLTMD ASYIYKLGK</p> <p>VDDEMVGIGF IIAEIVDSGE RVATDTTLCT LYSAFSVEMP STGKVKQPLV ITSKFTNTLP</p> <p>IPLTNKFSV ESLGLANMKS WEQETVPPGK TITFQMECTP VKAGPQKFIV KFSRQVKEV</p>

HAEKVVLSK **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">• Made to order protein - from design to production - by highly experienced protein experts.• Protein expressed in mammalian cells and purified in one-step affinity chromatography• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.• State-of-the-art algorithm used for plasmid design (Gene synthesis). <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>
Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

Target Details

Target:	TGM4
Alternative Name:	Tgm4 (TGM4 Products)
Background:	<p>Protein-glutamine gamma-glutamyltransferase 4 (EC 2.3.2.13) (Experimental autoimmune prostatitis antigen 1) (Transglutaminase-4) (TGase-4),FUNCTION: Associated with the mammalian reproductive process. Plays an important role in the formation of the seminal coagulum through the cross-linking of specific proteins present in the seminal plasma. Transglutaminase is also required to stabilize the copulatory plug.</p> <p>{ECO:0000269 PubMed:19027372}.</p>
Molecular Weight:	75.6 kDa
UniProt:	Q8BZH1

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