

Datasheet for ABIN7565114
TGM1 Protein (AA 1-815) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	TGM1
Protein Characteristics:	AA 1-815
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TGM1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Tgm1 Protein expressed in mammalien cells.
Sequence:	<p>MEGPRSDVGR WGRSPWQPPT TPSPEPEPEP EPDRRSRSRR GGGRSFWARC CGCCSCGNRG</p> <p>DDDWGPEPSG SRSRGTSSRG RDSRGGRRPE SRGSGVNAAG DGTIREGMLV VTGVDLLCSR</p> <p>SDQNRREHHT DEFEYDELIV RRGQPFHMIL FLNREYESSD RIALELLIGS NPEVGKGTHV</p> <p>IIPVGKGGSG GWKAQVTKNN GHNLNLRVHT SPNAIIGKFQ FTVRTRSEAG EFQLPFDPRN</p> <p>EIYILFNPWC PEDIVYVDHE DWRQEYVLNE SGRIYYGTEA QIGERTWNYG QFDHGVLDAC</p> <p>LYILDRRGMP YGGRGDPVSV SRVVSAMVNS LDDNGVLIGN WTGDYSRGTN PSAWVGSVEI</p> <p>LLSYLRTGYS VPYGQCWVFA GVTTTVLRCL GFATRVTNMF NSAHD TDTSL TMDIYFDENM</p> <p>KPLEHLNHDS VWNFHVWVND WMKRPDLPSG FDGWQVVDAT PQETSSGIFC CGPCSVESVK</p> <p>NGLVYMKYDT PFIFAEVNSD KVVWQRQDDG SFKIVYVEEK AIGTLIVTKA IHSNNREDIT</p> <p>HIYKHPEGSE AERRAVEKAA AHGSKPNVYA TRDSAEDVAM QVEAQDAVMG QDLAVSVVLT</p> <p>NRGSSRRTVK LHLYLCVTTY TGVS GPTFKE AKKEVTLAPG ASDSVTMPVA YKEYKPHLVD</p>

QGAMLLNVSG HVKESGQVLA KQHTFRLRTP DLSLTLLGAA VVGQECGVQI VFKNPLPVTL
TNVVFRLGEGS GLQRPKVLNV GDIGGNETVT LRQTFVPVVRP GPRQLIASLD SPQLSQVHGV
IQVDVAPASG GSGFSDAGGD SRSGENIPMA YRGGG **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>
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Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

Target Details

Target:	TGM1
Alternative Name:	Tgm1 (TGM1 Products)
Background:	<p>Protein-glutamine gamma-glutamyltransferase K (EC 2.3.2.13) (Epidermal TGase) (Transglutaminase K) (TG(K)) (TGK) (TGase K) (Transglutaminase-1) (TGase-1),FUNCTION: Catalyzes the cross-linking of proteins and the conjugation of polyamines to proteins. Responsible for cross-linking epidermal proteins during formation of the stratum corneum. Involved in cell proliferation (By similarity). {ECO:0000250 UniProtKB:P22735}.</p>
Molecular Weight:	89.8 kDa

Target Details

UniProt: [Q9JLF6](#)

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.

Restrictions: For Research Use only

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