

Datasheet for ABIN7544280

## Transglutaminase 7 Protein (TGM7) (AA 1-710) (His tag)



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### Overview

Quantity:	1 mg
Target:	Transglutaminase 7 (TGM7)
Protein Characteristics:	AA 1-710
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Transglutaminase 7 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

### Product Details

Purpose:	Custom-made recombinat TGM7 Protein expressed in mammalian cells.
Sequence:	<p>MDQVATLRLE SVDLQSSRNN KEHHTQEMGV KRLTVRRGQP FYLRLSFSRP FQSQNDHITF</p> <p>VAETGPKPSE LLGTRATFFL TRVQPGNVWS ASDFTIDSNS LQVSLFTPAN AVIGHYTLKI</p> <p>EISQQGQHSV TYPLGTFFLL FNPWSPEDDV YLPSEILLQE YIMRDYGFVY KGHHERFITSW</p> <p>PWNYGQFEED IIDICFEILN KSLYHLKNPA KDQSRNDVV YVCRVVSAMI NSNDDNGVLQ</p> <p>GNWGEDYSKG VSPLEWKGSV AILQQWSARG GQPVKYGQCW VFASVMCTVM RCLGVPTRVV</p> <p>SNFRSAHNVD RNLTIDTTYD RNAEMLSTQK RDKIWNFHVW NECWMIRKDL PPGYNGWQVL</p> <p>DPTPQQTSSG LFCCGPASVK AIREGDVHLA YDTPFVYAEV NADEVIWLLG DGQAQEILAH</p> <p>NTSSIGKEIS TKMVGSDQRQ SITSSYKYPE GSPEERAVFM KASRKMLGPQ RASLPFLDLL</p> <p>ESGGLRDQPA QLQLHLARIP EWGQDLQLLL RIQRPDSTH PRGPIGLVVR FCAQALLHGG</p> <p>GTQKPFWRHT VRMNLDFGKE TQWPLLLPYS NYRNKLTDEK LIRVSGIAEV EETGRSMLVL</p> <p>KDICLEPPHL SIEVSERA EV GKALRVHVTI TNTLMVALSS CTMVLEGSSG INGQIAKDLG</p>

TLVAGHTLQI QLDLYPTKAG PRQLQVLIS NEVKEIKGYK DIFVTVAGAP **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
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Grade:	custom-made
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Target Details

Target:	Transglutaminase 7 (TGM7)
Alternative Name:	TGM7 ( <a href="#">TGM7 Products</a> )
Background:	Protein-glutamine gamma-glutamyltransferase Z (Transglutaminase Z) (TG(Z)) (TGZ) (TGase Z) (EC 2.3.2.13) (Transglutaminase-7) (TGase-7),FUNCTION: Catalyzes the cross-linking of proteins and the conjugation of polyamines to proteins.
Molecular Weight:	79.9 kDa
UniProt:	<a href="#">Q96PF1</a>

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies
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Application Details

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