

# Recombinant Human TGM4 protein(1-684aa), His-SUMO-tagged

**Cat. No.** TGM4-2145H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Human TGM4 protein(P49221)(1-684aa), fused with N-terminal His and SUMO tag, was expressed in E.coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-684aa
<b>Form</b>	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.
<b>Molecular Mass</b>	90.1 kDa
<b>Purity</b>	Greater than 85% as determined by SDS-PAGE.
<b>Storage</b>	Store at -20°C/-80°C upon receipt, aliquoting is necessary for multiple use. Avoid repeated freeze-thaw cycles.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C.

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**AA Sequence**

MMDASKELQVLHIDFLNQDNAVSHHTWEFQTSSPVFRRGQVFHLRLVLNQPLQSYH  
 QLKLEFSTGPNPSIAKHTLVVLDPRTPSDHYNWQATLQNESGKEVTVAVTSSPNAIL  
 GKYQLNVKTGNHILKSEENILYLLFNPWCKEDMVFMPDEDERKEYILNDTGCHYVGA  
 ARSIKCKPWNFGQFEKNVLDCCISLLTESSLKPTDRRDPVLVCRAMCAMMSFEKGG  
 GVLIGNWTGDYEGGTAPYKWTGSAPILQQYYNTKQAVCFGQCWVFAGILTTVLRAL  
 GIPARSVTGFDSAHDTERNLTVDTYVNEGENEKITSMTTHDSVWNFHVWTDAWMKRP  
 DLPKGYDGWQAVDATPQERSQGVFCCGPSPLTAIRKGDIFIVYDTRFVSEVNGDR  
 LIWLKVMVNGQEELHVISMETTSIGKNISTKAVGQDRRRDITYEYKYPEGSSEERQV  
 MDHAFLLSSEREHRRPVKENFLHMSVQSDDVLLGNSVNFTVILKRKTAALQNVNII  
 GSFELQLYTGKKMAKLCDLNKTSQIQGQVSEVTLTLDISKTYINSLAILDDEPVIRGFIIA  
 EIVESKEIMASEVFTSFQYPEFSIELPNTGRIGQLLVCNCFKNTLAIPLTDVKFSLES  
 GISSLQTSDHGTVQPGETIQSQIKCTPIKTGPKKFIVKLSSKQVKEINAQKIVLITK

**GENE INFORMATION**

**Gene Name** TGM4 transglutaminase 4 (prostate) [ Homo sapiens ]

**Official Symbol** TGM4

**Synonyms** TGM4; transglutaminase 4 (prostate); protein-glutamine gamma-glutamyltransferase 4; TGP; TG(P); TGase P; TGase-4; fibrinolytic; transglutaminase P; transglutaminase-4; prostate transglutaminase; prostate-specific transglutaminase; hTGP; FLJ26776;

**Gene ID** 7047

**mRNA Refseq** NM\_003241

**Protein Refseq** NP\_003232

**MIM** 600585

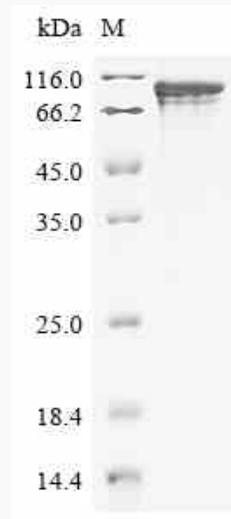
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UniProt ID P49221

SDS-PAGE



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