

## Product datasheet for **TP302705L**

### Transglutaminase 4 (TGM4) (NM\_003241) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human transglutaminase 4 (prostate) (TGM4), 1 mg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA** >RC202705 protein sequence

**Clone or AA** Red=Cloning site Green=Tags(s)

**Sequence:**

MMDASKELQVLHIDFLNQDNAVSHHTWEFQTSSPVFRRGQVFHLRLVLNQPLQSYHQLKLEFSTGPNPSI  
AKHTLWLDPRTPSDHYNWQATLQNESGKEVTVAVTSSPNAILGKYQLNVKTGNHILKSEENILYLLFNP  
WCKEDMVFMPDEDERKEYILNDTGCHYVGAARSIKCKPWNFGQFEKNVLDCCISLLTESSLKPTDRRDPV  
LVCRAMCAMMSFEKGQGVLIGNWTGDYEGGTAPYKWTGSAPILQQYYNTKQAVCFGQCWWFAGILTTVLR  
ALGIPARSVTGFDSAHDTERNLTVDTYVNEGENKITSMTHDSVWNFHVWTDAWMKRPDLPGYDGDWQAVD  
ATSQERSQGVFCCGPSPLTAIRKGDIFIVYDTRFVFSEVNGDRLIWLKVMVNGQEELHVISMETTSIGKN  
ISTKAVGQDRRRDITYEYKYPEGSSEERQVMDHAFLLLSSEREHRRPVKENFLHMSVQSDDVLLGNSVNF  
TVILKRKTAALQNVNILGSFELQLYTGKKMAKLCDLNKTSQIQGQVSEVTLTLD SKTYINSLAILDDEPV  
IRGFIIAEIVESKEIMASEVFTSFQYPEFSIELPNTGRIGQLLVCNCFKNTLAIPLTDVKFSLESLSGIS  
SLQTSDHGTVQPGETIQSIKCTPIKTGPKKFIVKLSKQVKEINAQKIVLITK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Tag:** C-Myc/DDK

**Predicted MW:** 77 kDa

**Concentration:** >0.05 µg/µL as determined by microplate BCA method

**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

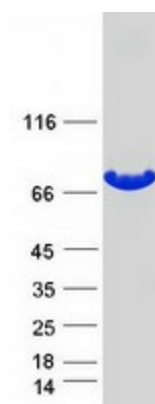
**Note:** For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

**Storage:** Store at -80°C.



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<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<u>NP_003232</u>
<b>Locus ID:</b>	7047
<b>UniProt ID:</b>	<u>P49221</u>
<b>RefSeq Size:</b>	3027
<b>Cytogenetics:</b>	3p21.31
<b>RefSeq ORF:</b>	2052
<b>Synonyms:</b>	hTGP; TGP
<b>Summary:</b>	Associated with the mammalian reproductive process. Catalyzes the cross-linking of proteins and the conjugation of polyamines to specific proteins in the seminal tract.[UniProtKB/Swiss-Prot Function]
<b>Protein Families:</b>	Druggable Genome

**Product images:**

Coomassie blue staining of purified TGM4 protein (Cat# [TP302705]). The protein was produced from HEK293T cells transfected with TGM4 cDNA clone (Cat# [RC202705]) using MegaTran 2.0 (Cat# [TT210002]).