

Product datasheet for **TP302705M**

Transglutaminase 4 (TGM4) (NM_003241) Human Recombinant Protein

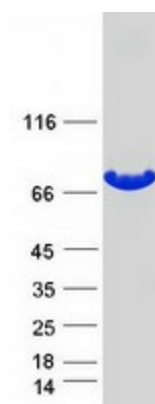
Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human transglutaminase 4 (prostate) (TGM4), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC202705 protein sequence Red =Cloning site Green =Tags(s)
	<p>MMDASKELQVLHIDFLNQDNAVSHHTWEFQTSSPVFRRGQVFHLRLVLNQPLQSYHQLKLEFSTGPNPSI AKHTLWLDPRTPSDHYNWQATLQNESGKEVTVAVTSSPNAILGKYQLNVKTGNHILKSEENILYLLFNP WCKEDMVFMPDEDERKEYILNDTGCHYVGAARSIKCKPWNFGQFEKNVLDCCISLLTESSLKPTDRRDPV LVCRAMCAMMSFEKGQGVLIGNWTGDYEGGTAPYKWTGSAPILQQYYNTKQAVCFGQCWWFAGILTTLR ALGIPARSVTGFDSAHDTERNLTVDTYVNEGENKITSMTHDSVWNFHVWTDAWMKRPDLPGYDGDWQAVD ATSQERSQGVFCCGPSPLTAIRKGDIFIVYDTRFVSEVNGDRLIWLKVMVNGQEELHVISMETTSIGKN ISTKAVGQDRRRDITYEYKYPEGSSEERQVMDHAFLLLSSEREHRRPVKENFLHMSVQSDVLLGNSVNF TVILKRKTAALQNVNILGSFELQLYTGKKMAKLCDLNKTSQIQGQVSEVTLTLD SKTYINSLAILDDEPV IRGFIIAEIVESKEIMASEVFTSFQYPEFSIELPNTGRIGQLLVCNCIFKNTLAIPLTDVKFSLESLSGIS SLQTSDHGTVQPGETIQSIKCTPIKTGPKKFIVKLSKQVKEINAQKIVLITK</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
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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Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_003232</u>
Locus ID:	7047
UniProt ID:	<u>P49221</u>
RefSeq Size:	3027
Cytogenetics:	3p21.31
RefSeq ORF:	2052
Synonyms:	hTGP; TGP
Summary:	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]
Protein Families:	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]).