

Product datasheet for PH302705

Transglutaminase 4 (TGM4) (NM_003241) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	TGM4 MS Standard C13 and N15-labeled recombinant protein (NP_003232)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC202705
Predicted MW:	77.1 kDa
Protein Sequence:	>RC202705 protein sequence Red=Cloning site Green=Tags(s)

MMDASKELQVLHIDFLNQDNAVSHHTWEFQTSSPVFRRGQVFHLRLVLNQPLQSYHQLKLEFSTGPNPSI
AKHTLVVLDPRTPSDHYNWQATLQNESGKEVTVAVTSSPNAILGKYQLNVKTGNHILKSEENILYLLFNP
WCKEDMVFMPDEDERKEYILNDTGCHYVGAARSIKCKPWNFGQFEKNVLDCCISLLTESSLKPTDRRDPV
LVCRAMCAMMSFEKGGVLIIGNWTGDYEGGTAPYKWTGSAPILQQYYNTKQAVCFGQCWVFAGILTTVLR
ALGIPARSVTGFDSAHDTERNLTVDTYVNEGEKITSMTHDSVWNFHVWTDAMMKRPDLPGYDGGWQAVD
ATSQERSQGVFCCGPSPLTAIRKGDIFIVYDTRFVFSEVNGDRLIWLKVMVNGQEELHVISMETTSIGKN
ISTKAVGQDRRDITYEYKYPEGSSEERQVMDHAFLLSSEREHRRPVKENFLHMSVQSDDVLLGNSVNF
TVILKRKTAALQNVNILGSFELQLYTGKMAKLCDLNKTSQIQGQVSEVTLTLDISKTYINSLAILDDEPV
IRGFIIAEIVESKEIMASEVFTSFQYPEFSIELPNTGRIGQLLVCNCIFKNTLAIPLTDVKFSLESLSGIS
SLQTSDHGTVPGETIQSQIKCTPIKTPKPFIVKLSSKQVKEINAQKIVLITK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_003232
RefSeq Size:	3027



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RefSeq ORF: 2052

Synonyms: hTGP; TGP

Locus ID: 7047

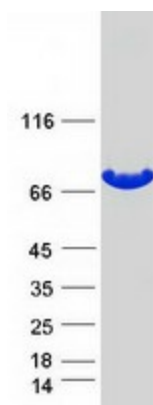
UniProt ID: [P49221](#)

Cytogenetics: 3p21.31

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]).