

Product datasheet for PH304492

TGM1 (NM_000359) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	TGM1 MS Standard C13 and N15-labeled recombinant protein (NP_000350)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC204492
Predicted MW:	89.8 kDa
Protein Sequence:	>RC204492 protein sequence Red=Cloning site Green=Tags(s)

MMDGPRSDVGRWGGNPLQPPTTPSPEPEPEPDGRSRRGGGRSFWARCCGCCSCRNAADDDWGPEPSDSRG
RGSSSGTRRPGSRGSDSRPVSRRGSGVNAAGDGTIREGMLVYNGVDLLSSRSDQNRREHHTDEYEYDELI
VRRGQPFHMLLLSRTYESSDRITLELLIGNNPEVKGTHVVIIPVKGKGGSGGWAQVVKASGQNLNLRVH
TSPNAIIGKQFTVRTQSDAGEFQLPFDPRNEIYILFNPWCPEDIVYVDHEDWRQEYVLNESGRIYYGTE
AQIGERTWNYGQFDHGVLDACLYILDRRGMPYGGRGDPVNVSRVISAMVNSLDDNGVLIGNWSDYSRGT
NPSAWVGSVEILLSYLRTGYSVPYGCWVFAVTTTTLRCLGLATRTVTNFNSAHDTDTSLTMDIYFDEN
MKPLEHLNHSDVWNFHVWDCWMMKRPDLPSGFDGWQVVDATPQETSSGIFCCGPCSVESIKNGLVYMKYD
TPFIFAENVSDKVVYWRQDDGSFKIVYVEEKAIGTLIVTKAISSNMREDITYLYKHPEGSDAERKAVETA
AAHGSKPNVYANRGS AEDVAMQVEAQDAVMGQDLMVSVMLINHSSRRTVKLHLYL SVTFYTGVS GTIFK
ETKKEVELAPGASDRVTMPVAYKEYRPHLVDQGAMLLNVSGHVKESGQVLAKQHTFRLRTPDL SLTLLGA
AVVQGECEVQIVFKNPLPVTLTNVVFRLLEGSLQRPKILNVGDI GGNETVTLRQSFV PVRPGRQLIASL
DSPQLSQVHGVIQVDVAPAPGDGGFFSDAGGDSHLGETIPMASRGA

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

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- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-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_000350



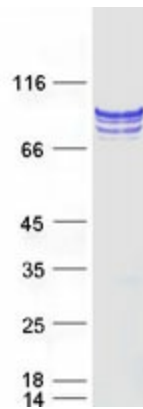
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RefSeq Size:	2777
RefSeq ORF:	2451
Synonyms:	ARCI1; ICR2; KTG; LI; LI1; TGASE; TGK
Locus ID:	7051
UniProt ID:	P22735
Cytogenetics:	14q12

Summary: The protein encoded by this gene is a membrane protein that catalyzes the addition of an alkyl group from an alkylamine to a glutamine residue of a protein, forming an alkylglutamine in the protein. This protein alkylation leads to crosslinking of proteins and catenation of polyamines to proteins. This gene contains either one or two copies of a 22 nt repeat unit in its 3' UTR. Mutations in this gene have been associated with autosomal recessive lamellar ichthyosis (LI) and nonbullous congenital ichthyosiform erythroderma (NCIE). [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome

Product images:



Coomassie blue staining of purified TGM1 protein (Cat# [TP304492]). The protein was produced from HEK293T cells transfected with TGM1 cDNA clone (Cat# [RC204492]) using MegaTran 2.0 (Cat# [TT210002]).