

Product datasheet for TP519957

Tgm3 (NM_009374) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse transglutaminase 3, E polypeptide (Tgm3), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR219957 protein sequence Red =Cloning site Green =Tags(s)
	<p>MSALQIQNVNWQVPMNRRRAHHTDKFSSQDSIVRRGQPWEILVCNRSLESGEDLNFIIVSTGPPQSEART KAVFSISGRSTGGWNAALKANSGNNLAIASPVSAPIGLYTLSSVEISSRGRASSLKLGTIFMLFNPWLQ ADDVFMSNHAERQEYVEEDSGIIVVGSTNRIGMVGWNFGQFEEDILNISLSILDRSLNFRDPVTDVARR NDPKYVCRVLSAMINGNDDNGVISGNWSGNYTGGVDPRTWNGSVEILKNWKKSGFRPVQFGQCWVFGATL NTVLRCLGVPSRVITNFNSAHDTDRNLSVDVYYDAMGNPLEKGSDSVWNFHVWNEGWFVRTDLGPTYNGW QVLDPATPQERSQGVFQCGPASVNAIKAGDVDRNFDMIFIFAEVNADRITWIYNNRNTPKQNSVDTHSIG KYISTKAVGSNSRMDVTDKYKYPEGSSEERQVHQKALDKLKPNAFGATSSRNPEGEDKEPSISGKFKVT GILAVGKEVSLSLMLKNMTNDRKVTMNMATAWIVYNGTLVHEVWVKDSATISLDPEEEIQVPVKIAYSQY ERYLKADNMIRITAVCKVPDEAEVVERDVILDNPALTLEVLEQAHVRKPVNVQMLFSNPLDQPVNNCVL LVEGSGLLRGSCLKIDVPSLRPKEKSRIRFEIFPTRSGTKQLLADFSCNKFPAIKAMLPIDVSE</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-MYC/DDK
Predicted MW:	77.3 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
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 after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq:	NP_033400
Locus ID:	21818
UniProt ID:	Q08189
RefSeq Size:	4144
Cytogenetics:	2 F1
RefSeq ORF:	2082
Synonyms:	AI893889; TG(E); TGase-3; TGase E; TG E; TGE; we
Summary:	Catalyzes the calcium-dependent formation of isopeptide cross-links between glutamine and lysine residues in various proteins, as well as the conjugation of polyamines to proteins. Involved in the formation of the cornified envelope (CE), a specialized component consisting of covalent cross-links of proteins beneath the plasma membrane of terminally differentiated keratinocytes. Catalyzes small proline-rich proteins (SPRR1 and SPRR2) and LOR cross-linking to form small interchain oligomers, which are further cross-linked by TGM1 onto the growing CE scaffold (By similarity). In hair follicles, involved in cross-linking structural proteins to hardening the inner root sheath.[UniProtKB/Swiss-Prot Function]