

## Product datasheet for TP510791

### Tgm1 (NM\_019984) Mouse Recombinant Protein

#### Product data:

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Purified recombinant protein of Mouse transglutaminase 1, K polypeptide (Tgm1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
<b>Species:</b>	Mouse
<b>Expression Host:</b>	HEK293T
<b>Expression cDNA Clone or AA Sequence:</b>	>MR210791 representing NM_019984 Red=Cloning site Green=Tags(s)
	MEGPRSDVGRWGRSPWQPPTTPSPEPEPVPEPDRRSRSRRGGGRSFWARCCGCCSCGNRGDDDWGPEPSG SRSRGTSSRGRDSRGGRRPESRSGVNAAGDGTIREGMLVVTGVDLLCSRSDQNRREHHTDEFYDELIV RRGQPFHMILFLNREYESSDRIALELLIGSNPEVKGKTHVIIIPVGKGGSGGWKAQVTKNNGHNLNLRVHT SPNAIIGKFQFTVRTRSEAGEFQLPFDPRNEIYILFNPWCPEDIVYVDHEDWRQEYVLNESGRIYYGTEA QIGERTWNYGQFDHGVLDAclyILDRRGMPYGGRGDPVSVSRVVSAMVNSLDDNGVLIGNWTGDYSRGTN PSAWVGSVEILLSYLRTGYSVPYGCWVFAGVTTTLRCLGFATRTVTNFNSAHDHDTSLTMDIYFDENM KPLEHLNHDSVWNFHVWVWDCWMKRPDLPSGFDGWQVVDATPQETSSGIFCCGPCSVESVKNGLVYMKYDT PFIFAEVNSDKVYWQRQDDGSFKIVYVEEKAIGTLIVTKAIHSNNREDITHIYKHPEGSEAERRAVEKAA AHGSKPNVYATRDSAEDVAMQVEAQDAVMGQDLAVSVLTLNRGSSRRTVKLHLYLCVTTYTGVSQPTEKE AKKEVTLAPGASDSVTMPVAYKEYKPHLVDQGAMLLNVSGHVKESGQVLAKQHTFRLRTPDLSLTLLGAA VVGQECGVQIVFKNPLPVTLTNVVFRLEGSGLQRPKVLNVGDIGGNETVTLRQTFVPRPGRPQLIASLD SPQLSQVHGVIQVDVAPASGGSGFSDAGGDSRSGENIPMAYRGA
	SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV
<b>Tag:</b>	C-MYC/DDK
<b>Predicted MW:</b>	89.8 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C after receiving vials.



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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>	<a href="#">NP_064368</a>
<b>Locus ID:</b>	21816
<b>UniProt ID:</b>	<a href="#">Q9JLF6</a> , <a href="#">A0A0R4J293</a>
<b>RefSeq Size:</b>	2803
<b>Cytogenetics:</b>	14 C3
<b>RefSeq ORF:</b>	2445
<b>Synonyms:</b>	2310004J08Rik; Tgase1
<b>Summary:</b>	Catalyzes the cross-linking of proteins and the conjugation of polyamines to proteins. Responsible for cross-linking epidermal proteins during formation of the stratum corneum. Involved in cell proliferation (By similarity).[UniProtKB/Swiss-Prot Function]