

Product datasheet for TP519427

Tgm4 (NM_177911) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse transglutaminase 4 (prostate) (Tgm4), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR219427 representing NM_177911 Red=Cloning site Green=Tags(s)

MDSRNVLIIYAVNVERKLNAAAHTSEYQTKKLVLRGQIFTLKVILNRPLQPQDELKVTFTSGQRDPY
MVELDPVTSYRSKGWQVKIAKQSGVEVILNISAADAVVGRYKMRVNEYKAGVFYLLFNPWCSDDSVFMA
SEEERAEYILNDTGYMYMGFAKQIKEKPWTFGQFEKHILSCCFNLLFQLENNEMQNPVLSRAICTMMCA
ANGGVLMGNWTGDYADGTAPYVWTSSVPILQQHYVTRMPVRYGQCWVFSGILTALRAVGIPARSVTNFE
SAHDTEKNLTVDIYLDSEKGTIPHLTKDSVWNFHVWTDAWMKRQDLPHGYDQVLDSTPQEISDGGFRT
GPSPLTAIRQGLIQMKYDTTFVFTEVNGDKFIWLKQNEREKNILIAVETASIGKKISTKMVGENRRED
ITLQYKFPESPEERKVMASGKPSDDKLNLSRLNLSLQISVLQNSLELGAPIYLTITLKRKTATPQNV
NISCSLNLQTYTGNKKTNLGVIQKTVQIHGQESRVFLTMDASYIYKLG MVDDDEMVIIGGFIAEIVDSGE
RVATDITLCFLYSAFSVEMPSTGKVKQPLVITSKFTNTLPIPLTNIKFSVESLGLANMKSWEQETVPPGK
TITFQMECTPVKAGPQKFIVKFSRQVKEVHAEKVVLSK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	75.6 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_808579
Locus ID:	331046
UniProt ID:	Q8BZH1 , A0A0R4J071
RefSeq Size:	2767
Cytogenetics:	9 F4
RefSeq ORF:	2010
Synonyms:	9530008N10Rik; Eapa1; TGP
Summary:	Associated with the mammalian reproductive process. Plays an important role in the formation of the seminal coagulum through the cross-linking of specific proteins present in the seminal plasma. Transglutaminase is also required to stabilize the copulatory plug.[UniProtKB/Swiss-Prot Function]