

Product datasheet for **TP727804**

F3 Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Mouse Tissue Factor (C-6His)
Species:	Mouse
Expression cDNA Clone or AA Sequence:	Ala29-Glu251
Tag:	C-His
Buffer:	Lyophilized from a 0.2 um filtered solution of 20mM Tris-HCl, 150mM NaCl, 0.05%Brij35, pH 7.5.
Note:	Recombinant Mouse Tissue factor is produced by our Mammalian expression system and the target gene encoding Ala29-Glu251 is expressed with a 6His tag at the C-terminus.
Stability:	12 months from date of despatch
Locus ID:	14066
UniProt ID:	P20352
Summary:	Tissue Factor, also known as thromboplastin and CD142, belongs to the tissue factor family which contains 294 amino acid (aa). Mouse TF consists of a signal peptide (residues 1-28) and the mature chain (residues 29-294). It is a single-pass type I membrane protein that expressed in the liver oscillates in a circadian manner. Interacts with HSPE; the interaction, inhibited by heparin, promotes the generation of activated factor X and activates coagulation in the presence of activated factor VII. Initiates blood coagulation by forming a complex with circulating factor VII or VIIa. The [TF:VIIa] complex activates factors IX or X by specific limited proteolysis. TF plays a role in normal hemostasis by initiating the cell-surface assembly and propagation of the coagulation protease cascade.



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