Recombinant Mouse F3 Protein, MYC/DDK-tagged

Cat. No. F3-999M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of full-length mouse coagulation factor III (F3), with C-terminal MYC/DDK tag, was expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	This gene encodes a membrane-bound glycoprotein that forms the primary physiological initiator of the blood coagulation process following vascular damage. The encoded protein binds to coagulation factor VIIa and the ensuing complex catalyzes the proteolytic activation of coagulation factors IX and X. Mice lacking encoded protein die in utero resulting from massive hemorrhaging in both extraembryonic and embryonic vessels. A severe deficiency of the encoded protein in mice results in impaired uterine homeostasis, shorter life spans due to spontaneous fatal hemorrhages and cardiac fibrosis.
Molecular Mass	32.9 kDa
Purity	>80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.

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Concentration	>50 g/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	F3 coagulation factor III [Mus musculus (house mouse)]
Official Symbol	F3
Synonyms	F3; coagulation factor III; TF; Cf3; Cf-3; CD142; AA409063; tissue factor
Gene ID	14066
mRNA Refseq	NM_010171
Protein Refseq	NP_034301
UniProt ID	P20352

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