

Recombinant Mouse F3 Protein, His-tagged

Cat. No. F3-7203M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse F3 Protein with a His tag.
Species	Mouse
ProteinLength	29-251
Description	<p>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.</p>
Form	Liquid
Molecular Mass	26.4 kDa
AA Sequence	<p>ADPAGIPEKAFNLTWISTDFKTILEWQPKPTNYTYTVQISDRSRNWKNKCFSTTDTE CDLTDEIVKDVTWAYEAKVLSVPRRNSVHGDGDQLVIHGEEPPFTNAPKFLPYRDTN LGQPVIQQFEQDGRKLNVVVKDSLTLVRKNGTFLTLRQVFGKDLGYIITYRKGSSTG KKTNITNTNEFSIDVEEGVSYCFFVQAMIFSRKTNQNSPGSSTVCTEQWKSFLGEHH HHHH</p>

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Endotoxin	< 1.0 EU/μg of protein (determined by LAL method)
Purity	> 95 % by SDS-PAGE
Stability	Shelf life: one year from despatch.
Storage	Store undiluted at 2-8 centigrade for one week or (in aliquots) at -20 to -80 centigrade for longer. Avoid repeated freezing and thawing.
Concentration	0.5 mg/mL (determined by absorbance at 280nm)
Storage Buffer	Phosphate Buffered Saline (pH 7.4) containing 10 % glycerol.

GENE INFORMATION

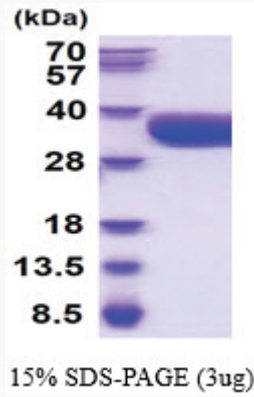
Gene Name	F3 coagulation factor III [<i>Mus musculus</i> (house mouse)]
Official Symbol	F3
Synonyms	F3; coagulation factor III; TF; Cf3; Cf-3; CD142; AA409063; tissue factor
Gene ID	14066
mRNA Refseq	NM_010171
Protein Refseq	NP_034301
UniProt ID	P20352

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SDS-PAGE



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