

Product datasheet for **TP504046**

F3 (NM_010171) Mouse Recombinant Protein

Product data:

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|---------------------------------------|--|
| Product Type: | Recombinant Proteins |
| Description: | Purified recombinant protein of Mouse coagulation factor III (F3), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug |
| Species: | Mouse |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >MR204046 protein sequence Red =Cloning site Green =Tags(s) |

MAILVRPRLAALAPTFLGCLLLQVIAGAGIPEKAFNLTWISTDFKTILEWQPKPTNYTYTVQISDRSRN
WKNKCFSTTDTECDLTDEIVKDVWAYEAKVLSVPRRNSVHGDGDLVIHGEEPPFTNAPKFLPYRDTNL
GQPVIQQFEQDGRKLNWVKDSLTLVRKNGTFLTLRQVFGKDLGYIITYRKGSTGKKTNITNTNEFSID
VEEGVSYCFFVQAMIFSRKTNQNSPGSSTVCTEQWKSFLGETLIIVGAVLLATIFIILLSISLCKRRKN
RAGQKGNTPSRLA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

| | |
|----------------|--|
| Tag: | C-MYC/DDK |
| Predicted MW: | 32.9 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. |
| RefSeq: | NP_034301 |
| Locus ID: | 14066 |
| UniProt ID: | P20352 , A0A0R4I088 |



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RefSeq Size: 1876

Cytogenetics: 3 52.94 cM

RefSeq ORF: 885

Synonyms: AA409063; CD142; Cf-3; Cf3; TF

Summary: 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. [provided by RefSeq, Aug 2015]