

Product datasheet for TP509466

F2 (NM_010168) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse coagulation factor II (F2), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR209466 representing NM_010168 Red=Cloning site Green=Tags(s)

MSHVRGLGLPGCLALAALVSLVHSQHVFAPQQALSLLQVRRRANSGFLEELRKGNLERECVVEEQCSYEE
AFEALESPQDQDVFVWAKYTVCDVSRKPRETFMDCLEGRICAMDLGVNYLGTVNVHTHTGIQCQLWRSRYPHK
PEINSTTHPGADLKENFCRNPDSSTTGPWCYTDDPTVRREECVPCVCGQEGRTTVVMTPRSGGSKDNLSP
PLGQCLTERGRLYQGNLAVTTLGSPCLPWNSLPAKTLISKYQDFDPEVKLVENFCRNPDWDEEGAWCYVAG
QPGDFEYCNLNYCEEAVGGEENYDVDESIAGRITDAEFHTFFNEKTFGLGEADCGLRPLFEKSLKDTTEK
ELDSYIDGRIVEGWDAEKGIAPWQVMLFRKSPQELLCGASLISDRWVLTAAHCILYPPWDKNFTENDLL
VRIGKHSRTRYERNVEKISMLEKIYVHPRYNWRENLDRIALLKLLKPPVPSDYIHPVCLPDKQTVTSL
RAGYKGRVTGWGNLRETWTTNINEIQPSVLQVVNLPIVERPVCKASTRIRITDNMFCAGFKVNDTKRGDA
CEGDSGGPFVMSKSPFNRRWYQMGIVSWGEGCDRKGKGYFYTHVFLRKRVIQKVIDQFG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	70.7 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_034298](#)

Locus ID: 14061

UniProt ID: [P19221](#), [Q3TJ94](#)

RefSeq Size: 1988

Cytogenetics: 2 50.63 cM

RefSeq ORF: 1854

Synonyms: Cf-2; Cf2; F; FII; prot; thro

Summary: This gene encodes a vitamin K-dependent glycoprotein coagulation factor that plays an important role in the process of blood coagulation and hemostasis. The encoded protein is an inactive zymogen that undergoes enzymatic cleavage by the coagulation factor Xa to form an active serine protease that converts soluble fibrinogen to insoluble fibrin clot. Most of the mice lacking the encoded protein die at an embryonic stage due to defects in yolk sac vasculature, while the rare neonates succumb to hemorrhage on the first postnatal day. [provided by RefSeq, Apr 2015]