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Product datasheet for TP507115

F7 (NM_010172) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse coagulation factor VII (F7), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR207115 protein sequence Red=Cloning site Green=Tags(s) MVPQAHGLLLLCFLLQLQGPLGTAVFITQEEAHGVLHRQRRANSLLEELWPGSLERECNEEQCSFEEARE IFKSPERTKQFWIVYSDGDQCASNPCQNGGTCQDHLKSYVCFCLLDFEGRNCEKSKNEQLICANENGDCD QYCRDHVGTKRTCSCHEDYTLQPDEVSCKPKVEYPCGRIPVVEKRNSSSRQGRIVGGNVCPKGECPWQAV LKINGLLLCGAVLLDARWIVTAAHCFDNIRYWGNITVVMGEHDFSEKDGDEQVRRVTQVIMPDKYIRGKI NHDIALLRLHRPVTFTDYVVPLCLPEKSFSENTLARIRFSRVSGWGQLLDRGATALELMSIEVPRLMTQD CLEHAKHSSNTPKITENMFCAGYMDGTKDACKGDSGGPHATHYHGTWYLTGVVSWGEGCAAIGHIGVYTR VSQYIDWLVRHMDSKLQVGVFRLPLL TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	50.3 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_034302
Locus ID:	14068

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UniProt ID:	P70375, Q542C2
RefSeq Size:	1868
Cytogenetics:	8 5.73 cM
RefSeq ORF:	1341
Synonyms:	AI132620; Cf7; F; FVII
Summary:	This gene encodes a vitamin K-dependent serine protease that plays a critical role in the extrinsic pathway of blood coagulation. Upon contact with tissue factor III (TF III), the encoded protein forms an activated complex termed TF-FVIIa that initiates the coagulation cascade involving other coagulation factors, ultimately resulting in a fibrin clot. Complete lack of the encoded protein in mice results in in perinatal lethality due to bleeding from normal blood vessels. [provided by RefSeq, Apr 2015]