

Product datasheet for TP520954

F13a1 (NM_001166391) Mouse Recombinant Protein

Product data:

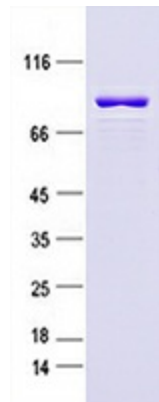
Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse coagulation factor XIII, A1 subunit (F13a1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR220954 protein sequence Red =Cloning site Green =Tags(s)
	<p>MSDTPASTFGGRRVPPNNSNAAEVDLPTEELQGLVPRGVNLKDYLNVTAVHLFKERWDSNKIDHHTDKY DNNKLIVRRGQTFYIQIDFNRPYDPRKDLFRVEYVIGRYPQENKGTYPVPVKELQSGKWGAKVIMNED RSVRLSVQSSPECIVGKFRMYVAVWTPYGILRTRRDPETDTYILFPWCEEDAVYLDDEKEREEYVLNDI GVIFYGDFKDIKRSWSYQGQFEDGILDTCLYVMDKAEMDLSGRGNPIKVS RVGSAMVNAKDDEGLVGSW DNVYAYGIPPSAWTGSVDILLEYSSETPVRYGQCWVFAGVFNTFLRCLGIPARVITNYFSAHDNDANLQ MDIFLEEDGNVSSKLTKDSVWNYHCWNEAWMTRPDLVPGFGGWQAVDSTPQENS DGM YRCGPASVQAVKH GHVCFQFDAPFVFAEVNSDLVYITAKQDGT HWEAVDATHIGKLIVTKQIGGDGMQDITDTYKFQEQEE ERLALETALMYGAKKTLNTEGVKSRSDVTMNFVDVENAVLGKDFKVTITFQNNSSNLYTILAYLSGNITF YTGVSKEFKKESFEETLDPFSSKKKEVLVRAGEYMSHLLQGF LHFVTARINESRDVLAKQKSIILT I PKITIKVRGAAMVGS DMVVTVEFTNPLKETLQNVWIHL DGP GVMR PKRKFREIRPNTTVQWEEVCRPWW SGHRKLIASMTSDSLRHVYGELDLQIQRPTM</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-MYC/DDK
Predicted MW:	83.2 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.



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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_001159863
Locus ID:	74145
UniProt ID:	Q8BH61 , Q3V3W7
RefSeq Size:	3854
Cytogenetics:	13 A3.3
RefSeq ORF:	2199
Synonyms:	1200014I03Rik; AI462306; F13a
Summary:	This gene encodes subunit A of the coagulation factor XIII that catalyzes the final step of the blood coagulation pathway. The encoded protein associates with subunit B to form a heterotetrameric proenzyme that undergoes thrombin-mediated proteolysis to generate active factor XIIIa. The transglutaminase activity of factor XIIIa is required for the calcium-dependent crosslinking of fibrin, leading to the formation of a clot. Mice lacking the encoded protein display impaired reproduction and reduced survival due to bleeding episodes, hemothorax, hemoabdomen and subcutaneous hemorrhage. Additionally, mice lacking the encoded protein exhibit impaired wound healing and inadequate healing of myocardial infarction. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2015]

Product images:



Purified recombinant protein F13a1 was analyzed by SDS-PAGE gel and Coomassie Blue Staining.