

Product datasheet for **TP762253**

Factor V (F5) (NM_000130) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human coagulation factor V (proaccelerin, labile factor) (F5), Pro302-Ile585, with N-terminal His tag, expressed in E.coli, 50ug
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	A DNA sequence encoding the region(Pro302-Ile585) of F5
Tag:	N-His
Predicted MW:	33.3 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	50 mM Tris-HCl, pH 8.0, 8 M urea
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.
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_000121
Locus ID:	2153
UniProt ID:	P12259
RefSeq Size:	6914
Cytogenetics:	1q24.2
RefSeq ORF:	6672
Synonyms:	FVL; PCCF; RPRGL1; THPH2



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Summary:

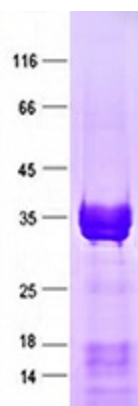
This gene encodes an essential cofactor of the blood coagulation cascade. This factor circulates in plasma, and is converted to the active form by the release of the activation peptide by thrombin during coagulation. This generates a heavy chain and a light chain which are held together by calcium ions. The activated protein is a cofactor that participates with activated coagulation factor X to activate prothrombin to thrombin. Defects in this gene result in either an autosomal recessive hemorrhagic diathesis or an autosomal dominant form of thrombophilia, which is known as activated protein C resistance. [provided by RefSeq, Oct 2008]

Protein Families:

Druggable Genome

Protein Pathways:

Complement and coagulation cascades

Product images:

Purified recombinant protein F5 was analyzed by SDS-PAGE gel and Coomassie Blue Staining.