

# Recombinant Human F13A1

Catalog No: #GP10818

Package Size: #GP10818-1 100ug

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## Description

Product Name	Recombinant Human F13A1
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to C terminal 250 amino acids of human coagulation factor XIII, A1 polypeptide
Target Name	Coagulation factor XIII, A1 polypeptide
Other Names	F13A
Accession No.	Swissprot:P00488Gene Accession:BC027963
Uniprot	P00488
GeneID	2162;
Storage	-20~-80°C, pH 7.6 PBS

## Background

This gene encodes the coagulation factor XIII A subunit. Coagulation factor XIII is the last zymogen to become activated in the blood coagulation cascade. Plasma factor XIII is a heterotetramer composed of 2 A subunits and 2 B subunits. The A subunits have catalytic function, and the B subunits do not have enzymatic activity and may serve as plasma carrier molecules. Platelet factor XIII is comprised only of 2 A subunits, which are identical to those of plasma origin. Upon cleavage of the activation peptide by thrombin and in the presence of calcium ion, the plasma factor XIII dissociates its B subunits and yields the same active enzyme, factor XIIIa, as platelet factor XIII. This enzyme acts as a transglutaminase to catalyze the formation of gamma-glutamyl-epsilon-lysine crosslinking between fibrin molecules, thus stabilizing the fibrin clot.

## References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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