

Native Human Von Willebrand Factor

Cat. No. VWF-369H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Native human VWF is prepared from citrated human plasma using a combination of chromatographic procedures.
Species	Human
Source	Human Plasma
Description	Von Willebrand factor is prepared from citrated human plasma using a combination of chromatographic procedures. The preparations consist of large multimers as determined by electrophoresis in SDS/agarose gels. Molecular weight is 250000 (monomer), 1-20 X 1000000 (multimers).
Form	Frozen liquid in a buffer of 0.025M Sodium Citrate + 0.1M NaCl + 0.1M glycine, pH 6.8.
Purity	>95% pure by SDS-PAGE under reducing conditions.
Molecular Weight	260 kDa (Monomer)
Concentration	0.2 mg/ml
Certification	Although the starting material was tested prior to initiation of the manufacturing process and was found negative or nonreactive for anti-HIV-1/2, HIV-1 antigen(s), HBsAg, STS, anti-HCV, anti-HBcore and anti-HTLV I & II, extreme cautions should be used when handling this material as there is a margin of error in all

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tests.

Storage Store at -80°C. Thaw in a 37°C water bath for 2-3 minutes without agitation.

Official Symbol VWF

Pathways Blood Clotting Cascade; Complement and Coagulation Cascades; ECM-receptor interaction; Focal Adhesion; Formation of Fibrin Clot (Clotting Cascade); GP1b-IX-V activation signaling; Hemostasis; Integrin alpha IIb beta3 signaling; Integrin cell surface interactions; Intrinsic Pathway; Platelet Adhesion to exposed collagen; Platelet Aggregation (Plug Formation); Platelet activation; Platelet degranulation

GENE INFORMATION

Gene Name VWF von Willebrand factor [[Homo sapiens](#)]

Synonyms VWF; von Willebrand factor; VWD; F8VWF; coagulation factor VIII VWF; von Willebrand antigen II

Gene ID [7450](#)

mRNA Refseq [NM_000552](#)

Protein Refseq [NP_000543](#)

MIM [613160](#)

UniProt ID P04275

Chromosome Location 12p13.3

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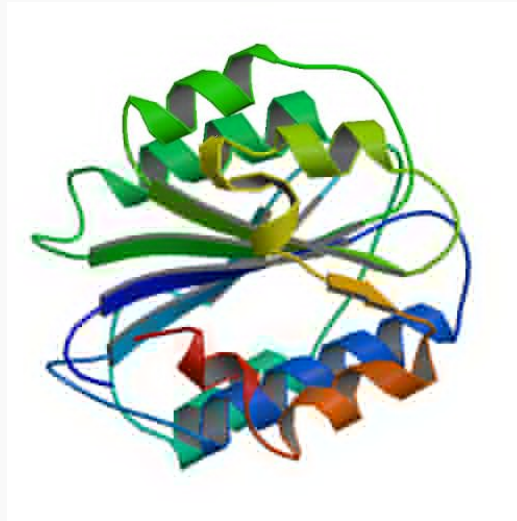
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Function

chaperone binding;collagen binding; glycoprotein binding; immunoglobulin binding; integrinbinding; protease binding; protein N-terminus binding; protein binding;protein homodimerization activity

PDB rendering basedon 1ao3.



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