

Recombinant Full Length Human F8 Protein, GST-tagged

Cat. No. F8-4417HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human F8 full-length ORF (NP_063916.1, 1 a.a. - 216 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	216 amino acids
Description	This gene encodes coagulation factor VIII, which participates in the intrinsic pathway of blood coagulation; factor VIII is a cofactor for factor IXa which, in the presence of Ca ²⁺ and phospholipids, converts factor X to the activated form Xa. This gene produces two alternatively spliced transcripts. Transcript variant 1 encodes a large glycoprotein, isoform a, which circulates in plasma and associates with von Willebrand factor in a noncovalent complex. This protein undergoes multiple cleavage events. Transcript variant 2 encodes a putative small protein, isoform b, which consists primarily of the phospholipid binding domain of factor VIIIc. This binding domain is essential for coagulant activity. Defects in this gene results in hemophilia A, a common recessive X-linked coagulation disorder. [provided by RefSeq, Jul 2008]
Molecular Mass	51 kDa
AA Sequence	MRIQDPGKVFFGNVDSSGIKHNIFNPPIIARYIRLHPTHYSIRSTLRMELMGCDLNSCS MPLGMESKAISDAQITASSYFTNMFATWSPSKARLHLQGRSNAWRPQVNNPKEWL QVDFQKTMKVTGVTQGVKSLTSMYVKEFLISSSQDGHQWTLFFQNGKVKVFQG

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NQDSFTPVVNSLDPPLLTRYLRIHPQSWVHQIALRMEVLGCEAQDLY

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

F8 coagulation factor VIII, procoagulant component [Homo sapiens]

Official Symbol

F8

Synonyms

F8; coagulation factor VIII, procoagulant component; F8C; coagulation factor VIII;
DXS1253E; Factor VIIIF8B; FVIII; HEMA; hemophilia A; factor VIII F8B;
antihemophilic factor; coagulation factor VIIIC; AHF; F8B;

Gene ID

2157

mRNA Refseq

NM_000132

Protein Refseq

NP_000123

MIM

300841

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UniProt ID

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