

## Recombinant Human F9 Protein, GST-tagged

Cat. No. F9-3626H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Human F9 full-length ORF ( NP_000124.1, 1 a.a. - 461 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<b>ProteinLength</b>	1-461 aa
<b>Description</b>	<p>This gene encodes vitamin K-dependent coagulation factor IX that circulates in the blood as an inactive zymogen. This factor is converted to an active form by factor XIa, which excises the activation peptide and thus generates a heavy chain and a light chain held together by one or more disulfide bonds. The role of this activated factor IX in the blood coagulation cascade is to activate factor X to its active form through interactions with Ca<sup>+2</sup> ions, membrane phospholipids, and factor VIII. Alterations of this gene, including point mutations, insertions and deletions, cause factor IX deficiency, which is a recessive X-linked disorder, also called hemophilia B or Christmas disease. Alternative splicing results in multiple transcript variants encoding different isoforms that may undergo similar proteolytic processing. [provided by RefSeq, Sep 2015]</p>
<b>Molecular Mass</b>	78.2 kDa
<b>AA Sequence</b>	MQRVNMIMAESPGLITICLLGYLLSAECTVFLDHENANKILNRPKRYNSGKLEEFVQG NLERECMEEKCSFEEAREVFENTERTEFWKQYVDGDQCESNPCLNGGSKDDIN

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

SYECWCPFGFEGKNCELDVTCTNIKNGRCEQFCKNSADNKVVCSCTEGYRLAENQK  
 SCEPAVPFPCGRVSVSQTSLTRAETVFPDVDYVNSTEAEITLDNITQSTQSFNDFT  
 RVVGGEDAKPGQFPWQVVLNGKVDAFCGGSIVNEKWIVTAAHCVETGVKITVVAGE  
 HNIETEHTEQKRN VIRIIPHHNYNAAINKYNHDIALLELDEPLVLNSYVTPICIAADKEYT  
 NIFLKFGSGYVSGWGRV FHKGRSALVLQYLRVPLVDRATCLRSTKFTIYNNMFCAGF  
 HEGGRDSCQGDSSGPHVTEVEGTSFLTGIISWGEECAMKGKYGITYTKVSRVYVNWIK  
 EKTKLT

**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**  
 F9 coagulation factor IX [ Homo sapiens ]

**Official Symbol**  
 F9

**Synonyms**  
 F9; coagulation factor IX; Christmas disease; Factor IX; FIX; hemophilia B; plasma thromboplastic component; F9 p22; FIX F9; factor 9; factor IX F9; serine protease; Christmas factor; plasma thromboplastin component; P19; PTC; HEMB; THPH8; MGC129641; MGC129642;

**Gene ID**  
 2158

Tel: 1-631-559-9269 1-516-512-3133

Email: [info@creative-biomart.com](mailto:info@creative-biomart.com) Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA

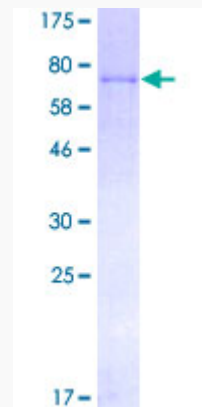
mRNA Refseq [NM\\_000133](#)

Protein Refseq [NP\\_000124](#)

MIM [300746](#)

UniProt ID [P00740](#)

**Quality Control  
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA