

## Recombinant Mouse F8 Protein, His-tagged

Cat. No. F8-1453M    Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse F8 Protein (Lys399-Cys730) with N-His tag was expressed in E. coli.
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>ProteinLength</b>	Lys399-Cys730
<b>Description</b>	Predicted to enable copper ion binding activity and oxidoreductase activity. Predicted to be involved in blood coagulation, intrinsic pathway. Predicted to act upstream of or within acute-phase response and hemostasis. Predicted to be located in extracellular region. Predicted to be active in extracellular space. Is expressed in several structures, including brain; cardiovascular system; genitourinary system; gut; and liver and biliary system. Used to study factor VIII deficiency. Human ortholog(s) of this gene implicated in factor VIII deficiency. Orthologous to human F8 (coagulation factor VIII).
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 41.7 kDa Accurate Molecular Mass: 42 kDa
<b>Purity</b>	> 90%

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<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.
<b>Stability</b>	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
<b>Storage Buffer</b>	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
<b>Reconstitution</b>	Reconstitute in ddH <sub>2</sub> O to a concentration of 0.1-0.5 mg/mL. Do not vortex.

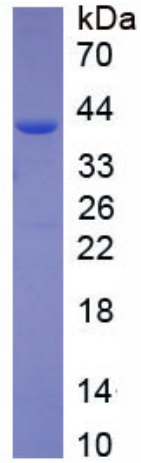
## GENE INFORMATION

<b>Gene Name</b>	F8 coagulation factor VIII [ <i>Mus musculus</i> (house mouse) ]
<b>Official Symbol</b>	F8
<b>Synonyms</b>	F8; coagulation factor VIII; Factor VIII; procoagulant component; Cf8; Cf-8; FVIII;
<b>Gene ID</b>	14069
<b>mRNA Refseq</b>	NM_001161373
<b>Protein Refseq</b>	NP_001154845
<b>UniProt ID</b>	Q06194

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