

Recombinant Mouse F8 Protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Mouse F8 Protein (Lys399-Cys730) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Lys399-Cys730
Description	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).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 41.7 kDa Accurate Molecular Mass: 42 kDa
Purity	> 90%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	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.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in ddH2O to a concentration of 0.1-0.5 mg/mL. Do not vortex.

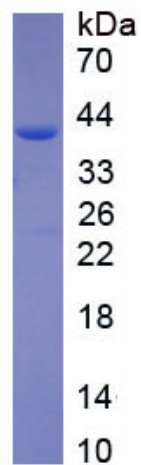
GENE INFORMATION

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

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