

Human MMP-7/MMP7 (Fc Tag) recombinant protein



Catalog Number: 502515

General Information

Gene Name Synonym

Matrin; Matrix metalloproteinase-7; Pump-1 protease; Uterine metalloproteinase

Protein Construction

A DNA sequence encoding the active form of human MMP7 (NP_002414.1) (Tyr 95-Lys 267) was expressed with the fused Fc region of human IgG1 at the N-terminus.

Organism

Human

Expression Host

Human Cells

QC Testing

Purity

> 95 % as determined by SDS-PAGE

Endotoxin

< 1.0 EU per μg of the protein as determined by the LAL method

Stability

Samples are stable for up to twelve months from date of receipt at -70°C

Predicted N terminal

Glu 20

Molecular Mass

The recombinant human Fc/MMP7 chimera is a

disulfide-linked homodimeric protein. The reduced monomer consists of 410 amino acids and predicts a molecular mass of 45.8 kDa. As a result of glycosylation, the rh Fc/MMP7 monomer migrates as an approximately 55 kDa band in SDS-PAGE under reducing conditions.

Formulation

Lyophilized from sterile 100mM Glycine, 10mM NaCl, 50mM Tris, pH 7.5

1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

Usage Guide

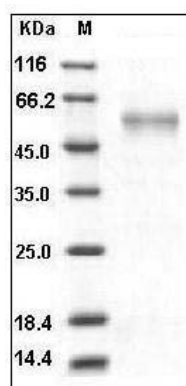
Storage

Store it under sterile conditions at -20°C to -80°C . It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

SDS-PAGE



Human MMP7 Protein (Fc Tag) SDS-PAGE