

## General Information

### Gene Name Synonym

5F7; Collagenase stimulatory factor; Extracellular matrix metalloproteinase inducer; Leukocyte activation antigen M6; OK blood group antigen; Tumor cell-derived collagenase stimulatory factor

### Protein Construction

The mature form of human CD147 (NP\_940991.1) extracellular domain (Met 1-His 205) with quinary-aa peptide (DDDDK) at the C-terminus was expressed and purified.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Activity

Using the Octet RED System, the affinity constant (Kd) of human CD147 (Cat:500694) bound to Human PPIA-His (Cat:501254) was 0.3  $\mu$ M.

### Purity

> 97 % as determined by SDS-PAGE and SEC-HPLC Analysis.

### Endotoxin

< 1.0 EU per  $\mu$ g 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

Ala 22

### Molecular Mass

The recombinant mature human CD147 cytokine comprises 190 amino acids and has a predicted molecular mass of 20.7 kDa. As a result of glycosylation, the rhCD147 migrates as an approximately 35-38 kDa band in SDS-PAGE under reducing conditions.

### Formulation

Lyophilized from sterile 50mM Tris, 100mM NaCl, pH 8.0

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

## Usage Guide

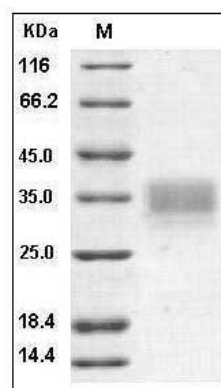
### Storage

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 CD147 / EMMPRIN / Basigin Protein SDS-

# Human CD147/EMMPRIN recombinant protein



Catalog Number: 500694

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PAGE