

## General Information

### Protein Construction

A DNA sequence encoding the human ERP27 (Q96DN0) (Glu26-Pro269) was fused with Fc region of mouse IgG at the C-terminus.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Purity

> 84 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per  $\mu\text{g}$  of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at  $-70^{\circ}\text{C}$

### Predicted N terminal

Glu 26

### Molecular Mass

The recombinant human ERP27/mFc is a disulfide-linked homodimer. The reduced monomer comprises 478 amino acids and has a predicted molecular mass of 53.7 kDa. The apparent

molecular mass of the protein is approximately 59 in SDS-PAGE under reducing conditions due to glycosylation.

### Formulation

Lyophilized from sterile PBS, pH 7.4

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

## Usage Guide

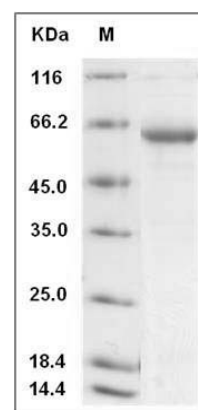
### Storage

Store it under sterile conditions at  $-20^{\circ}\text{C}$  to  $-80^{\circ}\text{C}$ . 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 ERP27 Protein (Fc Tag) SDS-PAGE