

## General Information

### Protein Construction

A DNA sequence encoding the extracellular domain of human MICB (NP\_005922.2) (Met 1-Gly 298) was fused with the C-terminal polyhistidine-tagged Fc region of human IgG1 at the C-terminus.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Activity

Immobilized human His-NKG2D (78-216) (Cat:504733) at 10 µg/ml (100 µl/well) can bind human MICB-Fch, The EC<sub>50</sub> of human MICB-Fch is 15.9-37.1 ng/ml.

### Purity

> 98 % 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

Ala 23

### Molecular Mass

The recombinant human MICB/Fc is a disulfide-linked homodimer. The reduced monomer consists of 524 amino acids and has a predicted molecular mass of 59.5 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rh MICB/Fc monomer is approximately 80-90 kDa 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

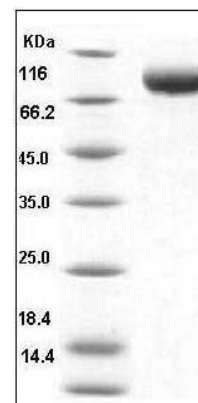
### Storage

Store it under sterile conditions at -20°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 MICB Protein (His & Fc Tag) SDS-PAGE