

# Human ULBP1 (His & Fc Tag) recombinant protein



Catalog Number: 502650

## General Information

### Gene Name Synonym

ALCAN-beta; Retinoic acid early transcript 1I; UL16-binding protein 1

### Protein Construction

A DNA sequence encoding the mature form of human ULBP1 (NP\_079494.1) (Met 1-Gly 216) 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 ULBP1-Fch, The EC<sub>50</sub> of human ULBP1-Fch is 0.04-0.08 µg/ml.

### 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

Gly 26

## Molecular Mass

The mature form of recombinant human ULBP1/Fc is a disulfide-linked homodimer. The reduced monomer comprises 439 amino acids and predicts a molecular mass of 50.4 kDa. The apparent molecular mass of rhULBP1/Fc monomer is approximately 55-60 kDa 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

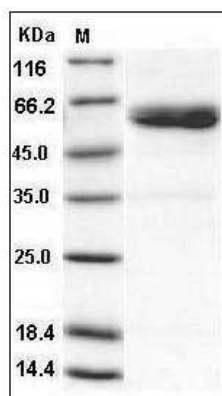
### Storage

Store it under sterile conditions at -20°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 ULBP1 / RAET1 / N2DL1 Protein (His & Fc Tag) SDS-PAGE