# 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  $\mu$ g/ml (100  $\mu$ l/well) can bind human ULBP1-Fch, The EC<sub>50</sub> of human ULBP1-Fch is 0.04-0.08  $\mu$ g/ml.

#### **Purity**

> 95 % as determined by SDS-PAGE

#### **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**

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**

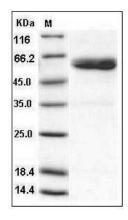
# **Storage**

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