# Human CEACAM5/CD66e (His & Fc Tag) recombinant protein

Catalog Number: 504544

# **General Information**

#### **Protein Construction**

A DNA sequence encoding the mature form of human CEACAM5 (NP\_004354.2) (Met 1-Ala 685) was fused with the C-terminal polyhistidinetagged Fc region of human IgG1 at the Cterminus.

#### Organism

Human

## **Expression Host**

Human Cells

# **QC Testing**

#### 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  $^\circ \rm C$ 

## **Predicted N terminal**

Lys 35

#### **Molecular Mass**

The recombinant human CEACAM5/Fc is a disulfide-linked homodimer after removal of the signal peptide. The reduced monomer consists of

899 amino acids and has a predicted molecular mass of 99.4 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rhCEACAM5/Fc monomer is approximately 160-180 kDa due to glycosylation. **Formulation** 

Lyophilized from sterile PBS, pH 7.41. 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 CEACAM5 / CD66e Protein (His & Fc Tag) SDS-PAGE



