

Human B7-H3/CD276 (His Tag) recombinant protein



Catalog Number: 504180

General Information

Gene Name Synonym

4Ig-B7-H3; B7 homolog 3; Costimulatory molecule

Protein Construction

A DNA sequence encoding the human CD276 (Q5ZPR3-1) extracellular domain (Met1-Thr461) was expressed, with a polyhistidine tag at the C-terminus. The purified protein was biotinylated in vitro.

Organism

Human

Expression Host

Human Cells

QC Testing

Purity

> 97 % as determined by SDS-PAGE

Endotoxin

< 1.0 EU per μg 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

Leu 29

Molecular Mass

The recombinant human CD276 consists of 444 amino acids and predicts a molecular mass of 48 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rhCD276 is approximately 73 kDa due to glycosylation.

Formulation

Lyophilized from a $0.2\mu\text{m}$ filtered solution of PBS, pH 7.4, 5% trehalose, 5% mannitol.

1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

Usage Guide

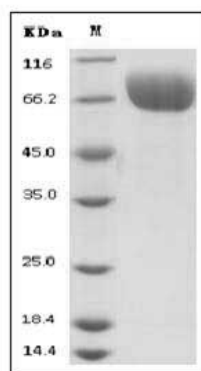
Storage

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 CD276 / B7-H3 Protein (His Tag),
Biotinylated