

Human EpCAM/TROP-1/TACSTD1 (His Tag) recombinant protein



Catalog Number: 504554

General Information

Protein Construction

A DNA sequence encoding the extracellular domain (Met 1-Lys265) of human EpCAM (NP_002345.1) was fused with a polyhistidine tag at the C-terminus.

Organism

Human

Expression Host

Human Cells

QC Testing

Activity

Measured by its ability to induce adhesion of ATDC5 mouse chondrogenic cells. When cells are added to EpCAM-His coated plates (1.25 µg/mL, 100 µL/well), approximately >40% will adhere specifically after 300 minutes at 37°C.

Purity

> 96 % 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

Gln 24

Molecular Mass

The recombinant human EpCAM consists of 253 amino acids after removal of the signal peptide and has a calculated molecular mass of 29 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rh EpCAM is approximately 36 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

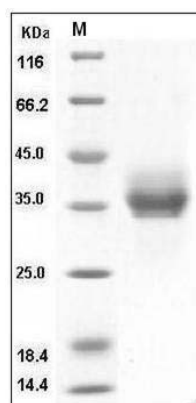
Store it under sterile conditions at -20°C to -80°C.

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 EpCAM / TROP-1 / TACSTD1 Protein (His Tag) SDS-PAGE