

MOUSE CEACAM5 PROTEIN, HIS TAG

Cat.#: 12184

Product Name: Mouse CEACAM5 Protein

Size: 10 µg, 50 µg and 100 µg

Synonyms: Pregnancy-specific glycoprotein 30;Psg30

Target: CEACAM5

UNIPROT ID: Q3UUK2

Description: Recombinant mouse CEACAM5 protein with C-terminal 6xHis tag

Background: Cell surface glycoprotein that plays a role in cell adhesion, intracellular signaling and tumor progression. Mediates homophilic and heterophilic cell adhesion with other carcinoembryonic antigen-related cell adhesion molecules, such as CEACAM6. Plays a role as an oncogene by promoting tumor progression; induces resistance to anoikis of colorectal carcinoma cells.[UniProtKB/Swiss-Prot Function]

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 103.4kDa after removal of the signal peptide. The apparent molecular mass of mCEACAM5-His is approximately 130-180 kDa due to glycosylation.

Molecular Characterization: Mouse CEACAM5(Gln35-Glu947) 6×His tag

Purity: The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.

Formulation & Reconstitution: Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

Storage & Shipping: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

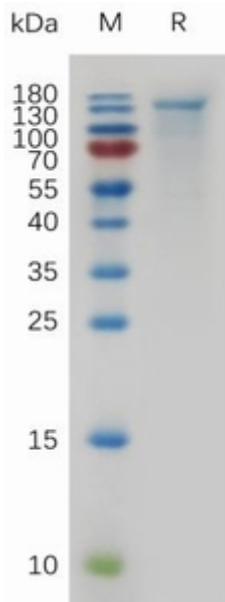


Figure 1. Mouse CEACAM5 Protein, His Tag on SDS-PAGE under reducing condition.