



Recombinant Protein Technical Manual
Recombinant Human CEACAM21 Protein (His Tag)
RPES0277

Product Data:

Product SKU: RPES0277

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: Q3KPIO

Protein Information:

Molecular Mass: 24.2 kDa

AP Molecular Mass: 35 kDa

Tag: C-6His

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from a 0.2 µm filtered solution of 20mM PB,150mM NaCl, pH 7.4.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Carcinoembryonic antigen-related cell adhesion molecule 21; CEACAM21

Immunogen Information:

Sequence: Trp35-Gly240

Background:

Carcinoembryonic antigen-related cell adhesion molecule 21 is a protein that in humans is encoded by the CEACAM21 gene. It belongs to the immunoglobulin superfamily. CEA family. containing 1 Ig-like C2-type (immunoglobulin-like) domain. It was found to be a cell-cell adhesion molecule detected on leukocytes, epithelia, and endothelia. The encoded protein mediates cell adhesion via homophilic as well as heterophilic binding to other proteins of the subgroup. Multiple cellular activities have been attributed to the encoded protein, including roles in the differentiation and arrangement of tissue three-dimensional structure, angiogenesis, apoptosis, tumor suppression, metastasis, and the modulation of innate and adaptive immune responses.