



Recombinant Protein Technical Manual

Recombinant Human CDCP1/CD318 Protein (aa 30-341, His Tag)

RPES1511

Product Data:

Product SKU: RPES1511

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: Q9H5V8-3

Protein Information:

Molecular Mass: 36.1 kDa

AP Molecular Mass: 55 kDa

Tag: C-6His

Bio-activity:

Purity: > 90 % 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,pH7.4.

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

Application:

Synonyms: CUB domain-containing protein 1;Membrane glycoprotein gp140;Subtractive immunization M plus HEP3-associated 135 kDa protein;SIMA135;Transmembrane and associated with src kinases;CD318;TRASK

Immunogen Information:

Sequence: Phe30-Ser341

Background:

CUB domain-containing protein 1 (CDCP1) is a transmembrane glycoprotein with a large extracellular domain (ECD) containing two CUB domains, and a smaller intracellular domain (ICD) containing five tyrosines. CDCP1 is widely expressed in human epithelial tissues, but its phosphorylation is only seen in mitotically detached or shedding cells, consistent with its role in the negative regulation of cell adhesion. The tyrosine phosphorylation of CDCP1 in cultured cells occurs when cells are induced to detach by trypsin or EDTA, or seen spontaneously during mitotic detachment. The overexpression of CDCP1 leads to the loss of cell adhesion and a detached phenotype.