



Recombinant Protein Technical Manual
Recombinant Rat CD302/CLEC13A Protein (Fc Tag)
RPES4306

Product Data:

Product SKU: RPES4306

Size: 20µg

Species: Rat

Expression host: HEK293 Cells

Uniprot: NP_001013938.1

Protein Information:

Molecular Mass: 43.7 kDa

AP Molecular Mass: 47 kDa

Tag: C-Fc

Bio-activity:

Purity: > 95 % as determined by SDS-PAGE

Endotoxin: < 1.0 EU per µg of the protein 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 sterile PBS, pH 7.4

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

Application:

Synonyms: CD302

Immunogen Information:

Sequence: Met1-His165

Background:

CD302/CLEC13A (C-type lectin domain family 13 member A), also known as C-type lectin receptor DCL, is a type I transmembrane C-type lectin DCL/CD302. DCL protein was highly conserved among the human, mouse, and rat orthologs. DCL ectodomain contains only one CRD, whereas other type I transmembrane C-type lectins contain more than one domain (e. g. selectins and MMR). DCL CP contains several putative motifs, including a Tyr-based internalization, a cluster of acidic amino acids, and Ser and Tyr phosphorylation motifs, suggesting that DCL CP mediates not only endocytosis and late endosome targeting but also signaling. DCL may be another cell/matrix adhesion receptor integrated in cell adhesion complexes and that DCL dysfunction may affect APC adhesion and migration, causing suppression of APC function.