

Recombinant Rat CD6/TP120 Protein (His Tag)

RPES4566

Description

This high-purity recombinant protein is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

Protein Information

SKU: RPES4566

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

Contents: 100µg
Bradford Reagent: 1 vial (2ml)

Concentration: -

Species: Rat

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

Synonyms: CD6

Storage: Generally, 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.
Store Bradford Reagent at Room Temperature for 1 year.

Tag: C-His

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

Expression Host: HEK293 Cells

Bio-Activity: 1. Immobilized rat CD6-His at 10 µg/mL (100 µL/well) can bind rat ALCAM-Fc3, The EC50 of rat ALCAM-Fc3 is 19.5-45. 5 ng/ml. 2. Measured by the ability of the immobilized protein to support the adhesion of Jurkat human acute T cell leukemia cells. When 8 x 10⁴ cells/well are added to rat CD6-His coated plates (10µg/mL, 100 µL/well), approximately 39.2% will adhere after 60 minutes at 37°C.

Calculated MW: 42.5 kDa

Formulation: Lyophilized from sterile PBS, pH 7.4 Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.

Manufacturers Statement: This final kit system is assembled and quality-released by Assay Genie Limited.

Observed MW: 64-70 kDa

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

Accession: Q812A4

Protein Quantification (Optional): To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

Source: HEK293 Cells-derived Rat CD6/TP120 protein Met1-Asn396, with an C-terminal His

Sequence: Met1-Asn396

Notes: Centrifuge before opening to ensure complete recovery of vial contents.

Form: Lyophilized powder