Recombinant Human uPAR/PLAUR/CD87 Protein

Catalog No.: RP00295

Sequence Information

Species
Human

Gene ID
5329

Swiss Prot
Q03405

Tags
C-His

Synonyms
PLAUR, CD87, U-PAR, UPAR, URKR, plasminogen activator, urokinase receptor,CD87,U-PAR, UPAR,URKR

Product Information

Source
HEK293 cells

Purification
≥ 95 % as determined by SDS-PAGE.

Calculated MW
32.16 kDa

Observed MW
45-55 kDa

Endotoxin
< 0.1 EU/μg of the protein by LAL method.

Formulation
Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.Contact us for customized product form or formulation.

Reconstitution
Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Background

The secreted recombinant human UPAR consists of 292 amino acids with a molecular weight of 32.8 kDa. Recombinant human UPAR migrates as an about 48 kDa band in SDS-PAGE under reducing conditions due to glycosylation.Urokinase plasminogen activator surface receptor (U-PAR) is also known as PLAUR, Monocyte activation antigen Mo3, CD antigen CD87. U-PAR contains three UPAR/Ly6 domains and is expressed in neurons of the rolandic area of the brain (at protein level). PLAUR / UPAR acts as a receptor for urokinase plasminogen activator and plays a role in localizing and promoting plasmin formation. Urokinase plasminogen activator (uPA) and/or its receptor (uPAR) are essential for metastasis, and overexpression of these molecules is strongly correlated with poor prognosis in a variety of malignant tumours. Furthermore, the analysis of U-PAR expression has a potential role in the diagnostic or prognostic work-up of several hematological malignancies, particularly acute leukemia and multiple myeloma.

Basic Information

Description
Recombinant Human uPAR/PLAUR/CD87 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Leu23-Arg303) of human uPAR (Accession #NP_002650.1) fused with a 6×His tag at the C-terminus.

Activity
Measured by its binding ability in a functional ELISA.Immobilized Human PLAUR at 1 μg/mL (100 μL/well) can bind PLAUR Rabbit pAb with a linear range of 0.03-14.17ng/mL.

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

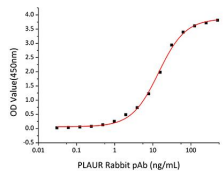
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

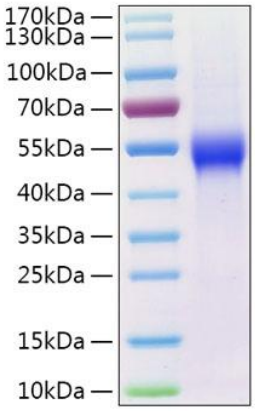
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Validation Data



Immobilized Human PLAUR at 1 μg/mL (100 μL/well) can bind PLAUR Rabbit pAb with a linear range of 0.03-14.17ng/mL.



Recombinant Human uPAR/PLAUR/CD87 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.