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Recombinant Mouse uPAR/PLAUR/CD87 Protein

Catalog No.: RP02934 Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Mouse	18793	P35456

Tags
C-His□Avi

Synonyms
CD87;U-PAR;UPAR;URKR

Product Information

Source	Purification
HEK293 cells	≥ 95 % as determined by SDS-PAGE.≥ 95 % as determined by HPLC.

Calculated MW	Observed MW
32.92 kDa	50-65 kDa

Endotoxin
< 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.

Contact

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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 Mouse uPAR/PLAUR/CD87 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Leu24-Gly298) of mouse uPAR/PLAUR/CD87 (Accession #NP_035243.1) fused with 6×His□Avi tag at the C-terminus.

Bio-Activity
Mouse uPAR isoform 1, His Tag immobilized on CM5 Chip can bind Human PLAU, His Tag with an affinity constant of 5.87 nM as determined in SPR assay (Biacore T200).

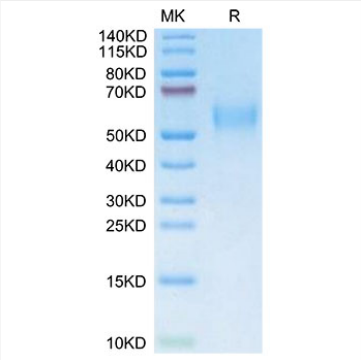
Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃.Store the lyophilized protein at -20℃ to -80 ℃ up to 1 year from the date of receipt.
After reconstitution, the protein solution is stable at -20℃ for 3 months, at 2-8℃ for up to 1 week.
Avoid repeated freeze/thaw cycles.

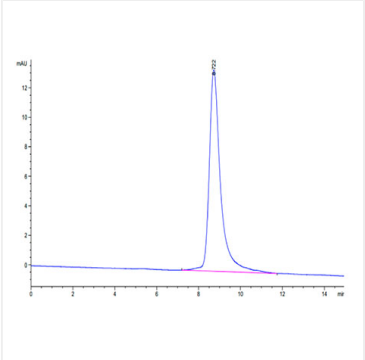
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

* 为了您的安全和健康，请穿实验服并戴一次性手套操作。

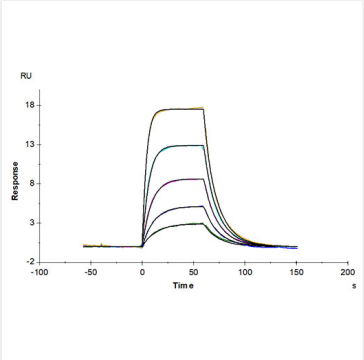
Validation Data



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



The purity of Mouse uPAR isoform 1 is greater than 95% as determined by SEC-HPLC.



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