

uPAR / CD87 active protein

Recombinant Human uPAR Protein (His Tag)(Active)

CATALOG #
AAA22094

HOST
HEK293 Cells

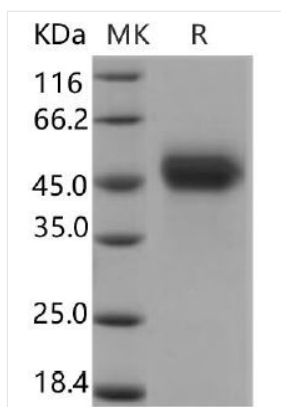
PRODUCT SYNONYMS

uPAR / CD87; Recombinant Human uPAR Protein (His Tag)(Active); Urokinase Plasminogen Activator Surface Receptor; U-PAR; uPAR; Monocyte activation antigen; Mo3; CD87; PLAUR; MO3; UPAR; uPAR / CD87 active protein

PRODUCT SPECIFICATIONS

Host	HEK293 Cells
Purity/Purification	> 98 % as determined by reducing SDS-PAGE.
Form/Format	Lyophilized from sterile PBS, pH 7.4, 5% Trehalose, 5% Mannitol, 0.01% Tween-80.
Sequence Positions	Met 1-Arg 303
Species	Human
Tag	C-His
Bio_activity	Measured by its binding ability in a functional ELISA . Immobilized human uPAR at 5 ug/ml (100 ul/well) can bind biotinylated human UPA with a linear ranger of 40-1000 ng/ml.
Endotoxin	< 1.0 EU per ug of the protein as determined by the LAL method.
Reconstitution	It is recommended that sterile water (800uL) be added to the vial to prepare a stock solution of 0.25mg/mL. Concentration is measured by UV-Vis.
Preparation and Storage	Storage: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80 degree C. Reconstituted protein solution can be stored at 4-8 degree C for 2-7 days. Aliquots of reconstituted samples are stable at < -20 degree C for 3 months. Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for uPAR / CD87 active protein	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. uPAR and uPA levels in both resected tumor tissue and plasma are of independent prognostic significance for patient survival in several types of human cancer. This system has classically been thought to drive tumor progression by mediating directed extracellular proteolysis on the surface of migrating or invading cells, and intervening with this proteolysis by targeting uPAR has been proposed to represent a novel approach for inhibiting tumor progression. uPAR, also known as PLAUR or CD87, has been implicated in the growth, metastasis, and angiogenesis of several solid and hemotologic malignancies. uPAR is a highly glycosylated, 55-60kDa integral membrane protein linked to the plasma membrane by a glycosylphosphatidylinositol (GPI) anchor. It is part of a cell surface system that also consists of the serine protease uPA and several specific inhibitors (plasminogen activator inhibitors 1 and 2). Additionally, the analysis of CD87 (urokinasetype plasminogen activator receptor - uPAR) expression has a potential role in the prognostic work-up of several hematological malignancies, particularly acute leukemia and multiple myeloma.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	53829379
NCBI GeneID	5329
NCBI Accession #	NP_001005376.1
NCBI GenBank Nucleotide #	NM_001005376.2
UniProt Accession #	Q03405-1; Q12876; Q15845; Q16887; Q6IB52; Q9BWT0; Q9NYC8; Q9UD69; Q9UEA6; Q9UM92; Q9UMV0; A8K409; Q03405
Molecular Weight	Mol_Mass: 32.8 kDa AP_Mol_Mass: 48 kDa
NCBI Official Full Name	urokinase plasminogen activator surface receptor isoform 2
NCBI Official Synonym Full Names	plasminogen activator, urokinase receptor
NCBI Official Symbol	PLAUR
NCBI Official Synonym Symbols	CD87; UPAR; URKR; U-PAR
NCBI Protein Information	urokinase plasminogen activator surface receptor
UniProt Protein Name	Urokinase plasminogen activator surface receptor
UniProt Gene Name	PLAUR
UniProt Synonym Gene Names	MO3; UPAR; U-PAR; uPAR

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.