

Datasheet for ABIN7197380 **PLAUR Protein (His tag)**

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Overview

Quantity:	100 µg
Target:	PLAUR
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This PLAUR protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human uPAR Protein (His Tag)(Active)
Sequence:	Met 1-Arg 303
Characteristics:	A DNA sequence encoding the human UPAR isoform 1 (Q03405-1) (Met 1-Arg 303) without the pro peptide was expressed, with a carboxy-terminal polyhistidine tag.
Purity:	> 98 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method.
Biological Activity Comment:	Measured by its binding ability in a functional ELISA . Immobilized human uPAR at 5 µg/ml (100 µl/well) can bind biotinylated human UPA with a linear ranger of 40-1000 ng/ml.

Target Details

Target:	PLAUR
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Target Details

Alternative Name:	uPAR (PLAUR Products)
Background:	Background: 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, 55-60 kDa 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 (urokinase-type plasminogen activator receptor - uPAR) expression has a potential role in the diagnostic or prognostic work-up of several hematological malignancies, particularly acute leukemia and multiple myeloma. Synonym: Urokinase Plasminogen Activator Surface Receptor, U-PAR, uPAR, Monocyte activation antigen,Mo3, CD87, PLAUR, MO3, UPAR
Molecular Weight:	32.8 kDa
Pathways:	Inositol Metabolic Process

Application Details

Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile PBS, pH 7.4
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	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.