

Datasheet for ABIN6973301

**PLAUR Protein (AA 23-303) (His tag,AVI tag,Biotin)**[Go to Product page](#)**2** Images

## Overview

Quantity:	200 µg
Target:	PLAUR
Protein Characteristics:	AA 23-303
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This PLAUR protein is labelled with His tag,AVI tag,Biotin.

## Product Details

Sequence:	AA 23-303
Specificity:	Biotinylation of this product is performed using Avitag™ technology. Briefly, the single lysine residue in the Avitag is enzymatically labeled with biotin.
Characteristics:	FITC-Labeled Human VEGF R2 / KDR Protein, His Tag
Purity:	>95 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

## Target Details

Target:	PLAUR
Alternative Name:	uPAR ( <a href="#">PLAUR Products</a> )

## Target Details

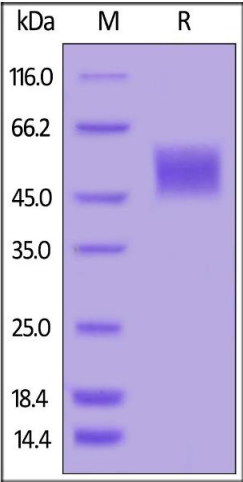
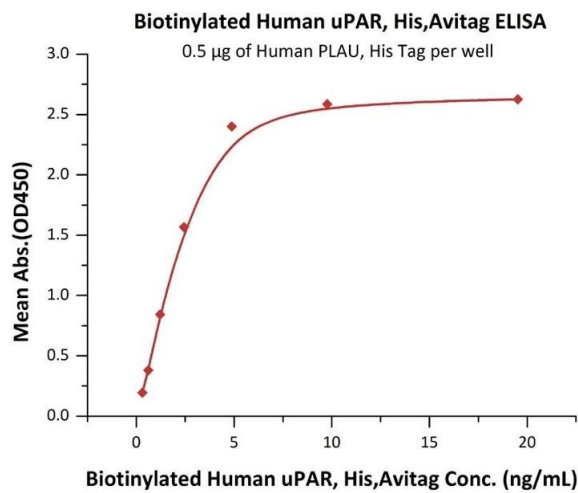
Background:	Urokinase plasminogen activator surface receptor (U-PAR) is also known as PLAUR, Monocyte activation antigen Mo3, CD antigen CD87. PLAUR contains three UPAR/Ly6 domains. U-PAR is expressed in neurons of the rolandic area of the brain (at protein level) and is also expressed in the brain. PLAUR / CD87 interacts with MRC2, SRPX2 and SORL1. PLAUR / UPAR acts as a receptor for urokinase plasminogen activator and plays a role in localizing and promoting plasmin formation. U-PAR mediates the proteolysis-independent signal transduction activation effects of U-PA.
Molecular Weight:	35.0 kDa
Pathways:	<a href="#">Inositol Metabolic Process</a>

## Application Details

Comment:	<p>Ready-to-use Avitag™ biotinylated protein:</p> <p>The product is exclusively produced using the Avitag™ technology. Briefly, a unique 15 amino acid peptide, the Avi tag, is introduced into the recombinant protein during expression vector construction. The single lysine residue in the Avi tag is enzymatically biotinylated by the E. Coli biotin ligase BirA.</p> <p>This single-point enzymatic labeling technique brings many advantages for commonly used binding assays. The biotinylation happens on the lysine residue of Avi tag, and therefore does NOT interfere with the target protein's natural binding activities. In addition, when immobilized on an avidin-coated surface, the protein orientation is uniform because the position of the Avi tag in the protein is precisely controlled.</p>
Restrictions:	For Research Use only

## Handling

Format:	Lyophilized
Buffer:	PBS, pH 7.4
Storage:	-20 °C



**ELISA**

**Image 1.** Immobilized Human PLAUI, His Tag (ABIN2181654,ABIN2181653) at 5 µg/mL (100 µL/well) can bind Biotinylated Human uPAR, His,Avitag (ABIN6973301) with a linear range of 0.3-2 ng/mL (QC tested).

**SDS-PAGE**

**Image 2.** Biotinylated Human uPAR, His,Avitag on under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95 % .