Datasheet for ABIN2181889

PLAUR Protein (AA 23-303) (His tag)

2 Images

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Overview

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

Product Details

Sequence:	AA 23-303
Characteristics:	This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 32.1 kDa. The protein migrates as 44-48 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Purity:	>92 % as determined by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	PLAUR
Alternative Name:	uPAR (PLAUR Products)

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:	32.3 kDa
Pathways:	Inositol Metabolic Process

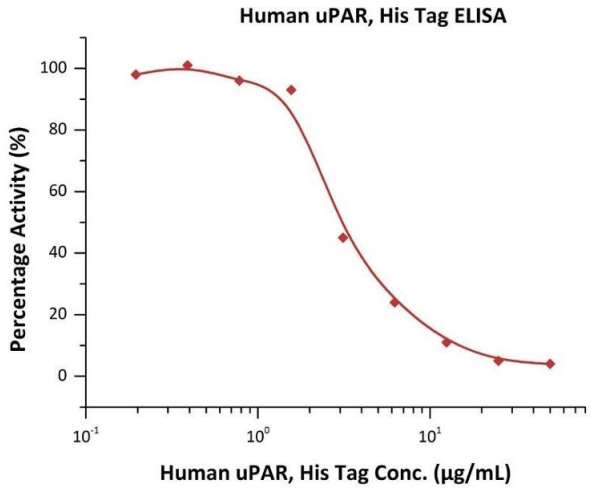
Application Details

Restrictions:	For Research Use only

Handling

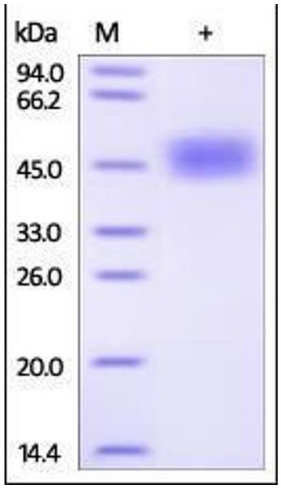
Format:	Lyophilized
Buffer:	PBS, pH 7.4
Handling Advice:	Please avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	No activity loss was observed after storage at: In lyophilized state for 1 year (4 °C), After reconstitution under sterile conditions for 3 months (-70 °C).

Images



ELISA

Image 1. Measured by its inhibitory ability in a competitive ELISA. Serial dilutions of Human uPAR, His Tag (ABIN2181889,ABIN2181888) were added into Human PLAU, His Tag (ABIN2181654,ABIN2181653) : Biotinylated Human uPAR, His,Avitag (ABIN6973301) binding reactions. The half maximal inhibitory concentration (IC50) is 2.96 µg/mL (QC tested).



SDS-PAGE

Image 2. Human uPAR, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 92%.