

Datasheet for ABIN6239887

Arylsulfatase B Protein (ARSB) (AA 81-533) (His tag)[Go to Product page](#)**1** Image

Overview

Quantity:	50 µg
Target:	Arylsulfatase B (ARSB)
Protein Characteristics:	AA 81-533
Origin:	Human
Source:	Escherichia coli (E. coli)
Biological Activity:	Active
Purification tag / Conjugate:	This Arylsulfatase B protein is labelled with His tag.
Application:	Activity Assay (AcA), Cell Culture (CC)

Product Details

Characteristics:	Tag location: N-terminal His Tag
Purity:	> 80 %
Biological Activity Comment:	<p>Arylsulfatase B (ARSB) is a lysosomal enzyme of the sulfatase family. ARSB hydrolyzes sulfate groups of N-Acetyl-D-galactosamine, chondroitin sulfate, and dermatan sulfate. The protein is targetted to the lysozyme. Besides, Plasminogen Activator, Urokinase Receptor (uPAR) has been identified as an interactor of ARSB, thus a binding ELISA assay was conducted to detect the interaction of recombinant human ARSB and recombinant human uPAR. Briefly, ARSB were diluted serially in PBS, with 0.01% BSA (pH 7.4). Duplicate samples of 100uL were then transferred to uPAR-coated microtiter wells and incubated for 2h at 37°C. Wells were washed with PBST and incubated for 1h with anti-ARSB pAb, then aspirated and washed 3 times. After incubation with HRP labelled secondary antibody, wells were aspirated and washed 3 times.</p> <p>With the addition of substrate solution, wells were incubated 15-25 minutes at 37°C. Finally, add</p>

Product Details

50µL stop solution to the wells and read at 450nm immediately. The binding activity of of ARSB and uPAR was shown in Figure 1, and this effect was in a dose dependent manner The binding activity of ARSB with uPAR.

Target Details

Target:	Arylsulfatase B (ARSB)
Abstract:	ARSB Products
Background:	Alternative Names: ASB, G4S, N-acetylgalactosamine-4-sulfatase
Molecular Weight:	55kDa
UniProt:	P15848
Pathways:	Glycosaminoglycan Metabolic Process

Application Details

Application Notes:	Isoelectric Point: 7.7
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	20 mM Tris, 150 mM NaCl, pH 8.0, containing 1 mM EDTA, 1 mM DTT, 0.01 % SKL, 5 % Trehalose and Proclin300.
Preservative:	Dithiothreitol (DTT), Other preservative, ProClin
Precaution of Use:	This product contains ProClin and Dithiothreitol (DTT): POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.

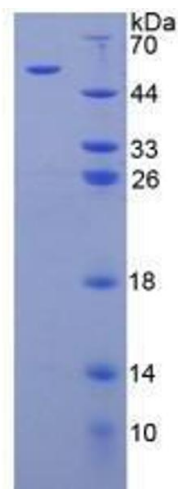


Image 1.