

Active Recombinant Human ARSB protein, His-tagged

Cat. No. ARSB-599H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human ARSB protein(P15848)(81-533 aa), fused with N-terminal His tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	81-533 aa
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Bio-activity	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. With the addition of substrate solution, wells were incubated 15-25 minutes at 37°C. Finally, add 50μ stop solution to the wells and read at 450nm immediately. The binding activity of of ARSB and uPAR was shown, and this effect

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was in a dose dependent manner.

Molecular Mass 55.2kDa

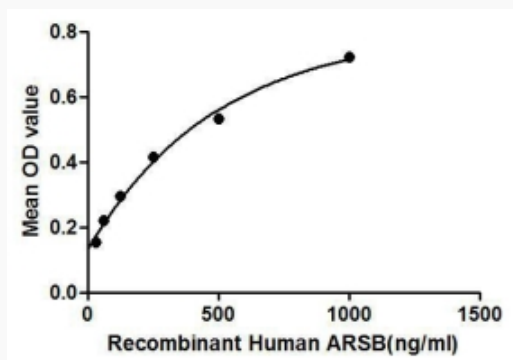
Endotoxin <1.0EU per 1µg (determined by the LAL method).

Purity > 80%

Storage Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Store at -20°C for 12 months. Aliquot and store at -80°C for 12 months.

Reconstitution Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

Activity

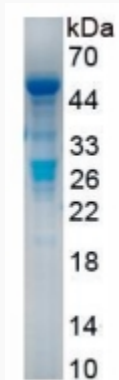


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