

Active Recombinant Human ARSF protein, His-tagged

Cat. No. ARSF-532H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human ARSF protein(P54793)(23-300 aa), fused with N-terminal His tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	23-300 aa
Form	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Bio-activity	ARSF (Arylsulfatase F) is a member of the sulfatase gene family, and more specifically, the arylsulfatase subfamily. Sulfatases are essential for the correct composition of bone and cartilage matrix. The activity of this protein, unlike that of arylsulfatase E, is not inhibited by warfarin. Besides, EP300 (E1A binding protein p300) has been identified as an interactor of ARSF, thus a binding ELISA assay was conducted to detect the interaction of recombinant human ARSF and recombinant human EP300. Briefly, ARSF were diluted serially in PBS, with 0.01%BSA (pH 7.4). Duplicate samples of 100uL were then transferred to EP300-coated microtiter wells and incubated for 2h at 37°C. Wells were washed with PBST and incubated for 1h with anti-ARSF 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,

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add 50μ stop solution to the wells and read at 450nm immediately. The binding activity of ARSF and EP300 was shown, and this effect was in a dose dependent manner.

Molecular Mass 35.1kDa

Purity > 97%

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 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name ARSF arylsulfatase F [Homo sapiens]

Official Symbol ARSF

Synonyms ARSF; arylsulfatase F; ASF;

Gene ID 416

mRNA Refseq NM_001201538

Protein Refseq NP_001188467

MIM 300003

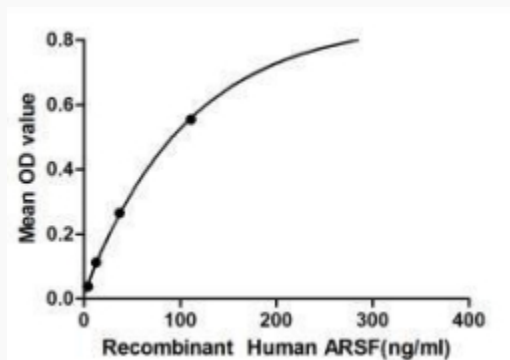
UniProt ID P54793

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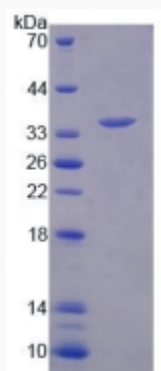
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Activity



SDS-PAGE



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