

Arylsulfatase F (ARSF) Active Protein | ARSF active protein

Active Arylsulfatase F (ARSF)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA148215	E Coli	Human	Activity Assay, Cell Culture

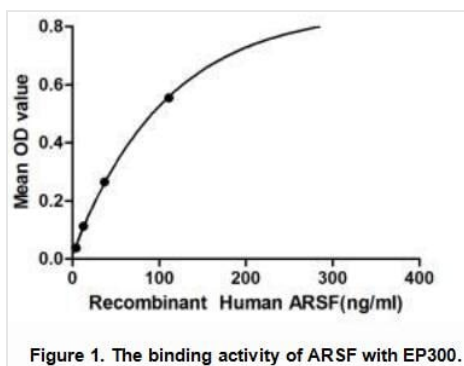
PRODUCT SYNONYMS

Arylsulfatase F (ARSF); Active Arylsulfatase F (ARSF); ASF; ARSF active protein

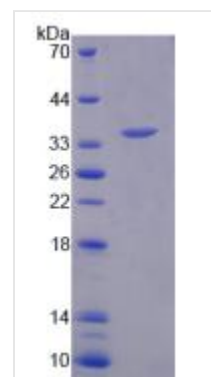
PRODUCT SPECIFICATIONS

Host	E Coli
Reactivity	Human
Purity/Purification	> 97%
Form/Format	Freeze-dried powder
Sequence Length	590
Applicable Applications for ARSF active protein	Activity Assay, Cell Culture
Tag	N-terminal His Tag
Buffer Formulation	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Fragment	His23~Asp300
Isoelectric Point	6.9

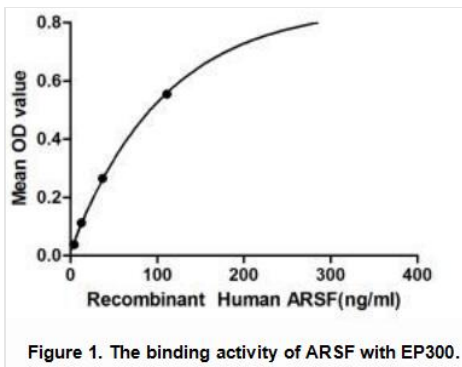
IMAGES



Application Data



SDS-PAGE



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 degree 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 degree C. Finally, add 50uL stop solution to the wells and read at 450nm immediately. The binding activity of ARSF and EP300 was shown in Figure 1, and this effect was in a dose dependent manner.

ADDITIONAL INFORMATION

Product Categories/Family for ARSF active protein	Enzyme & Kinase
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NCBI AND UNIPROT INFORMATION

NCBI GI #	319996604
NCBI GeneID	416
NCBI Accession #	NP_001188467.1
NCBI GenBank Nucleotide #	NM_001201538.1
UniProt Accession #	P54793; Q8TCC5
Molecular Weight	Predicted Molecular Weight: 35.1kDa Accurate Molecular Weight: 35kDa
NCBI Official Full Name	arylsulfatase F
NCBI Official Synonym Full Names	arylsulfatase F
NCBI Official Symbol	ARSF
NCBI Official Synonym Symbols	ASF
NCBI Protein Information	arylsulfatase F
UniProt Protein Name	Arylsulfatase F
UniProt Gene Name	ARSF
UniProt Synonym Gene Names	ASF

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

