

Arylsulfatase A/ARSA Protein, Human (489a.a, HEK293 His)

Cat. No.:	HY-P7608
Synonyms:	rHuARSA, His; Arylsulfatase A; ARSA
Species:	Human
Source:	HEK 293
Accession:	P15289 (R19-A507)
Gene ID:	410
Molecular Weight:	50-65 kDa

PROPERTIES

AA Sequence

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R P P N I V L I F A   D D L G Y G D L G C   Y G H P S S T T P N   L D Q L A A G G L R
F T D F Y V P V S L   C T P S R A A L L T   G R L P V R M G M Y   P G V L V P S S R G
G L P L E E V T V A   E V L A A R G Y L T   G M A G K W H L G V   G P E G A F L P P H
Q G F H R F L G I P   Y S H D Q G P C Q N   L T C F P P A T P C   D G G C D Q G L V P
I P L L A N L S V E   A Q P P W L P G L E   A R Y M A F A H D L   M A D A Q R Q D R P
F F L Y Y A S H H T   H Y P Q F S G Q S F   A E R S G R G P F G   D S L M E L D A A V
G T L M T A I G D L   G L L E E T L V I F   T A D N G P E T M R   M S R G G C S G L L
R C G K G T T Y E G   G V R E P A L A F W   P G H I A P G V T H   E L A S S L D L L P
T L A A L A G A P L   P N V T L D G F D L   S P L L L G T G K S   P R Q S L F F Y P S
Y P D E V R G V F A   V R T G K Y K A H F   F T Q G S A H S D T   T A D P A C H A S S
S L T A H E P P L L   Y D L S K D P G E N   Y N L L G G V A G A   T P E V L Q A L K Q
L Q L L K A Q L D A   A V T F G P S Q V A   R G E D P A L Q I C   C H P G C T P R P A
C C H C P D P H A H   H H H H H
  
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Biological Activity	Data is not available.
Appearance	Solution
Formulation	Supplied as a 0.2 µm filtered solution of 20 mM Tris-HCl, 150 mM NaCl, pH 7.5.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	N/A
Storage & Stability	Stored at -80°C. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

DESCRIPTION

Background

Arylsulfatase A is an enzyme that breaks down sulfatides. Arylsulfatase A has been demonstrated in preparations of human leukocytes. The level of activity of arylsulfatase A is markedly decreased in the preparations from patients with metachromatic leukodystrophy^[1].

REFERENCES

[1]. A K Percy, R O Brady. Metachromatic leukodystrophy: diagnosis with samples of venous blood. Science. 1968 Aug 9;161(3841):594-5.

Caution: Product has not been fully validated for medical applications. For research use only.

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