

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

Cat. No.:	HY-P7608A
Synonyms:	rHuARSA, His; Arylsulfatase A; ARSA
Species:	Human
Source:	HEK293
Accession:	P15289 (R19-A507)
Gene ID:	410
Molecular Weight:	approximately 65 kDa

PROPERTIES

AA Sequence

```

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
  
```

Biological Activity Measured by its ability to hydrolyze the substrate 4-Nitrocatechol Sulfate (PNCS). The specific activity is 9.75×10^5 pmol/min/ μ g, as measured under the described conditions.

Appearance Lyophilized powder.

Formulation Lyophilized from a 0.2 μ m filtered solution of 20 mM Tris-HCL, 150 mM NaCl, pH 8.0.

Endotoxin Level <1 EU/ μ g, determined by LAL method.

Reconstitution It is not recommended to reconstitute to a concentration less than 100 μ g/mL in ddH₂O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).

Storage & Stability Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.

Shipping Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background

Arylsulfatase A (ARSA) protein is specialized in the hydrolysis of cerebroside sulfate. This enzymatic function involves the cleavage of cerebroside sulfate, showcasing ARSA's role in the breakdown of this specific substrate.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA