

## 32-7279: Recombinant Human Arylsulfatase A/ARSA (C-6His)

**Gene :** ARSA  
**Gene ID :** 410  
**Uniprot ID :** P15289

### Description

Source: Human Cells.  
MW :52.9kD.

Recombinant Human Arylsulfatase A is produced by our Mammalian expression system and the target gene encoding Arg19-Ala507 is expressed with a 6His tag at the C-terminus. Arylsulfatase A (ARSA) is a lysosomal enzyme that breaks down Cerebroside 3-Sulfate, a major constituent of the myelin sheet, into Cerebroside and Sulfate. The ARSA deficiency results in Metachromatic Leukodystrophy (MLD), a lysosomal storage disease in the central and peripheral nervous systems with severe and progressive neurological symptoms. Recombinant Human ARSA corresponds to the ARSA mature peptide and has sulfatase activity.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Supplied as a 0.2 µm filtered solution of 20mM TrisHCl, 150mM NaCl, pH 7.5.  
**Storage condition :** Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.  
**Amino Acid :** RPPNIVLIFADDLGYGDLGCGHPSSTTPNLDQLAAGGLRFTDFYVPSLCTPSRAALLTGRLPVRMGMYPGVL  
VPSSRGGLPLEEVTVAEVLAARGYLTMAGKWHLGVGPEGAFLPPHQGFHRFLGIPYSHDQGPCQNLTCFPPA  
TPCDGGCDQGLVPIPLLANLSVEAQPWLPGLARYMAFAHDLMADAQRQDRPFFLYASHHHTYPQFSGQS  
FAERSGRGPFGDSELMELDAAVGTLMTAIGDLGLEETLVIFTADNGPETMRMSRGGCSGLLRGCGKGTTEGGV  
REPALAFWPGHIAPGVTHELASSDLLPTLAALAGAPLPNVTLDGFDLSPLLLGTGKSPRQSLFFYPSYPDEVRG  
VFVRSRGKYKAHFFTQGSASDTPADPACHASSLTAHEPPLLYDLSKDPGENYNLLGGVAGATPEVLQALKQ  
LQLLKAQLDAAVTFGPSQVARGEDPALQICCHPGCTPRPACCHCPDPAVDHHHHHHH

### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.