

## Product datasheet for TP304319L

## OriGene Technologies, Inc.

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## ARSA (NM 000487) Human Recombinant Protein

**Product data:** 

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human arylsulfatase A (ARSA), transcript variant 1, 1 mg

Species: Human
Expression Host: HEK293T

**Expression cDNA Clone** >RC204319 protein sequence or AA Sequence: Red=Cloning site Green=Tags(s)

MGAPRSLLLALAAGLAVARPPNIVLIFADDLGYGDLGCYGHPSSTTPNLDQLAAGGLRFTDFYVPVSLCT PSRAALLTGRLPVRMGMYPGVLVPSSRGGLPLEEVTVAEVLAARGYLTGMAGKWHLGVGPEGAFLPPHQG FHRFLGIPYSHDQGPCQNLTCFPPATPCDGGCDQGLVPIPLLANLSVEAQPPWLPGLEARYMAFAHDLMA DAQRQDRPFFLYYASHHTHYPQFSGQSFAERSGRGPFGDSLMELDAAVGTLMTAIGDLGLLEETLVIFTA DNGPETMRMSRGGCSGLLRCGKGTTYEGGVREPALAFWPGHIAPGVTHELASSLDLLPTLAALAGAPLPN VTLDGFDLSPLLLGTGKSPRQSLFFYPSYPDEVRGVFAVRSGKYKAHFFTQGSAHSDTTADPACHASSSL TAHEPPLLYDLSKDPGENYNLLGGVAGATPEVLQALKQLQLLKAQLDAAVTFGPSQVARGEDPALQICCH

**TRTRPL**EQKLISEEDLAANDILDYKDDDDK**V** 

Tag: C-Myc/DDK
Predicted MW: 51.9 kDa

**Concentration:** >0.05 µg/µL as determined by microplate BCA method

**PGCTPRPACCHCPDPHA** 

**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by conventional

chromatography steps.

**Note:** For testing in cell culture applications, please filter before use. Note that you may experience

some loss of protein during the filtration process.

Storage: Store at -80°C.

**Stability:** Stable for 12 months from the date of receipt of the product under proper storage and

handling conditions. Avoid repeated freeze-thaw cycles.





**RefSeq:** NP 000478

Locus ID: 410

UniProt ID: <u>P15289</u>, <u>A0A0C4DFZ2</u>, <u>B4DVI5</u>

RefSeq Size: 4325

Cytogenetics: 22q13.33

RefSeg ORF: 1521

Synonyms: ASA; MLD

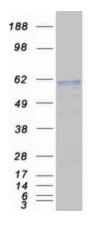
**Summary:** The protein encoded by this gene hydrolyzes cerebroside sulfate to cerebroside and sulfate.

Defects in this gene lead to metachromatic leucodystrophy (MLD), a progressive demyelination disease which results in a variety of neurological symptoms and ultimately death. Alternatively spliced transcript variants have been described for this gene. [provided by RefSeq, Dec 2010]

**Protein Families:** Druggable Genome

**Protein Pathways:** Lysosome, Sphingolipid metabolism

## **Product images:**



Coomassie blue staining of purified ARSA protein (Cat# [TP304319]). The protein was produced from HEK293T cells transfected with ARSA cDNA clone (Cat# [RC204319]) using MegaTran 2.0 (Cat# [TT210002]).