

Product datasheet for **AR50911PU-S**

Arylsulfatase A (21-509, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Arylsulfatase A (21-509, His-tag) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSRPPNIVL IFADDLGYGD LGCYGHPSS TPNLDQLAAG GLRFTDFYVP VSLCTPSRAA LLTGRLPVRM GMYPGVLVPS SRGGLPLEEV TVAEVLAARG YLTGMAGKWH LGVGPEGAF LPPHQGFHRFL GIPYSHDQGP CQNLTCFPPA TPCDGGCDQG LVPIPLLNL SVEAQPWLP GLEARYMAFA HDLMADAQRQ DRPFLLYYAS HHTHYQFSG QSFAERSGRG PFGDSLME LD AAVGTLMTAI GDLGLEETL VIFTADNGPE TMRMSRGGCS GLLRCGKGT YEGGVREPAL AFWPGHIAPG VTHELASSLD LLPTLAALAG APLPNVTLDG FDLSPLLLGT GKSPRQSLFF YPSYPDEV RG VFAVRTGKYK AHFFTQGSAH SDTTADPACH ASSSLTAHEP PLLYDLSKDP GENYNLLGGV AGATPEVLQA LKQLQLLKAQ LDAAVTFGPS QVARGEDPAL QICCHPGCTP RPACCHCPDP HA
Tag:	His-tag
Predicted MW:	54.3 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.4M UREA, 10% glycerol
Preparation:	Liquid purified protein
Protein Description:	Recombinant human ARSA protein, fused to His-tag at N-terminus, was expressed in E.coli.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_000478
Locus ID:	410
UniProt ID:	P15289 , A0A0C4DFZ2 , B4DVI5



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Cytogenetics: 22q13.33

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:

