



Recombinant Human Arylsulfatase A (ARSA)

Product Code	CSB-EP002141HU-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P15289
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	RP PNIVLIFADD LGYGDLCYGYG HPSSTTPNLD QLAAGGLRFT DFYVPVSLCT PSRAALLTGR LPVRMGMYPG VLPSSRGGL PLEEVTVAEV LAARGYLTGM AGKWHLGVP EGAFLPPHQG FHRFLGIPYS HDQGPCQNLT CFPPATPCDG GCDQGLVIP LLANLSVEAQ PPWLPGLAR YMAFAHDLMA DAQRQDRPFF LYYASHHHTY PQFSGQSFAE RSGRGPFGDS LMELDAAVGT LMTAIGDLGL LEETLVIFTA DNGPETMRMS RGGCSGLLRC GKGTTEYEGGV REPALAFWPG HIAPGVTHEL ASSLDLLPTL AALAGAPLPN VTLDGFDLSP LLLGTGKSPR QSLFFYPSYP DEVRGVFAVR TGKYKAHFFT QGSAHSDTTA DPACHASSSL TAHEPPLLYD LSKDPGENYN LLGGVAGATP EVLQALKQLQ LLKAQLDAAV TFGPSQVARG EDPALQICCH PGCTPRPACC HCPDPHA
Source	E.coli
Target Names	ARSA
Protein Names	Recommended name: Arylsulfatase A Short name= ASA EC= 3.1.6.8 Alternative name(s): Cerebroside-sulfatase Cleaved into the following 2 chains: 1. Arylsulfatase A component B 2. Arylsulfatase A component C
Expression Region	19-507
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	This protein 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. Multiple alternatively spliced transcript variants, one of which encodes a distinct protein, have been described for this gene.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Shelf Life	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life



of lyophilized form is 12 months at -20°C/-80°C.