

Arsa, 18-506aa, Mouse, His-tag, Baculovirus

Cat.NO.: TP01236

3th Edition

Synonyms: Arylsulfatase A, Arsa, As-2, AS-A, As2, ASA, AW212749, TISP73

Description: Arsa, also known as arylsulfatase A, is a prototype member of the sulfatase family. It is an enzyme that catalyzes the degradation of sulfatides, a glycosphingolipid found in many tissues, but predominantly in myelin and kidney. The serum level of its might be helpful in diagnosis of lung and central nervous system cancer. Recombinant mouse Arsa, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Form: Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

Molecular Weight: 53.2kDa (498aa), 50-70kDa (SDS-PAGE under reducing conditions)

Sequences:

ADPSPPNILLIFADDLGYGDLGSYGHPSSSTTPNLDQLAEGGLRFTDFYVPVSLCTPSRAALLTGRLPVRSGMYPGVL
GPSSQGGLPLEEVTLAEVLAARGYLTGMAGKWHLGVGPEGAFLPPHQGFHRFLGIPYSHDQGPCQNLTCFPPDIP
CKGGCDQGLVPIPLLANTVEAQPPWLPGLEARYVSFSRDLMAAQRQGRPFLLYASHHHTYPQFSGQSFTKRS
GRGPFGLDLMELDGAVGALMTTVGDLGLEETLVIFTADNGPELMRMSNGGCSGLLRGKGTTFEGGVREPALVY
WPGHITPGVTHELASSLDLLPTLAALTGAPLPNVTLTGVDISPLLLGTGKSPRKSVFFYPYPDEIHGVFAVRNGKYK
AHFFTQGSASDSTSDPACHAANRLTAHEPPLLYDLSQDPGENYNVLESIEGVSPALQALKHIQLLKAQYDAAMTF
GPSQIAKGEDPALQICCPSCTPHPVCCCHCPGSQSHHHHHH

Purity: > 95% by HPLC

Concentration: 0.5mg/ml (determined by Absorbance at 280nm)

Endotoxin Level: <1.0 EU per 1 ug of protein (determined by LAL method)

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.