

# Product information

## Arsa, 18-506aa

Mouse, His-tagged, Recombinant, Insect cell

Cat. No. IBATGP3458

Full name: Arylsulfatase A

NCBI Accession No.: NP\_033843

Synonyms: 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.

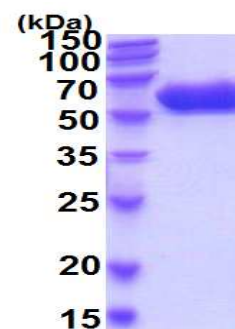
**Molecular Weight:** 53.2kDa (498aa)  
50-70kDa (SDS-PAGE under reducing conditions)

**Predicted N terminal:** Ala

**Purity:** > 95% by SDS - PAGE.

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

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



15% SDS-PAGE (3ug)

### Sequences of amino acids:

ADPSPPNILL IFADDLGYGD LGSYGHPSSST TPNLDQLAEG GLRFTDFYVP VSLCTPSRAA LLTGRLPVRS GMYPGVLGPS SQGGLPLEEV  
TLAEVLAARG YLTGMAGKWH LGVGPEGAF L PPHQGFHRFL GIPYSHDQGP CQNLTCFPPD IPCKGGCDQG LVP IPLLANL TVEAQPPWLP  
GLEARYVSFS RDLMADAQRQ GRPFLLYYAS HHTHYQFSG QSFTKRSGRG PFGDSLME LD GAVGALMTTV GDLGLLEETL VIFTADNGPE  
LMRMSNGGCS GLLRCGKGT T FEGGVREPAL VYWPGHITPG VTHELASSLD LLPTLAALTG APLPNVTLDG VDISPLLLGT GKSPRKSFFF  
YPPYPDEIHG VFAVRNGKYK AHFFTQGS AH SDTTS DPACH AANRLTAHEP PLYDLSQDP GENYNVLES I EGVSPEALQA LKHIQLLKAQ  
YDAAMTFGPS QIAKGEDPAL QICQPSCTP HPVCCHCPGS QSHHHHHH

### General references:

Lukatela G., *et al.* (1998) *Biochemistry*. 37:3654-3664.

Jean S., *et al.* (2006) *Alcohol Clin Exp Res*. 30:1950-1955.

**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.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.