

## 32-6669: ARSA Mouse

**Alternative Name :** Arylsulfatase A, ASA, Cerebroside-sulfatase.

### Description

Source: Sf9, Baculovirus cells.

Sterile Filtered clear solution.

Arylsulfatase A (ARSA) hydrolyzes cerebroside sulfate to cerebroside and sulfate. ARSA is inhibited by phosphate. The phosphate develops a covalent bond with the active site 3-oxoalanine. ARSA gene defects cause metachromatic leucodystrophy (MLD), a progressive demyelination disease which results in various neurological symptoms and ultimately death.

ARSA Mouse Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 498 amino acids (18-506 a.a.) and having a molecular mass of 53.2kDa (Molecular size on SDS-PAGE will appear at approximately 50-70kDa). ARSA is expressed with a 6 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

### Product Info

**Amount :** 2 µg / 10 µg

**Purification :** Greater than 95% as determined by SDS-PAGE.

**Content :** ARSA protein solution (0.5mg/ml) containing Phosphate Buffered Saline (pH 7.4) and 10% glycerol.

**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Amino Acid :** ADPSPPNILL IFADDLGYGD LGSYGHPST TPNLDQLAEG GLRFTDFYVP VSLCTPSRAA LLTGRLPVRS  
GMYPGVLGPS SQGGLPLEEV TLAEVLAARG YLTGMAGKWH LGVGPEGAFI PPHQGFHRFL  
GIPYSHDQGP CQNLTCFPPD IPCKGGCDQG LVPIPLLNL TVEAQPWLP GLEARYVSFS RDLMAAQRQ  
GRPFLLYYAS HHTHYQFSG QSFTKRSGRG PFGDSLMEID GAVGALMTTV GDLGLLEETL VIFTADNGPE  
LMRMSNGGCS GLLRCGKGT FEGGVREPAL VYWPGHITPG VTHELASSLD LLPTLAALTG APLPNVTLDG  
VDISPLLLGT GKSPRKSVFF YPPYPDEIHG VFAVRNGKYK AHFFTQGSAA SDTTSDPACH AANRLTAHEP  
PLLYDLSQDP GENYNVLESI EGVSPALQA LKHIQLLKAQ YDAAMTFGPS QIAKGEDPAL QICCPSTCTP  
HPVCCCHCPGS QSHHHHHH.