

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 LGSYGHPSS TPNLDQLAEG GLRFTDFYVP VSLCTPSRAA LLTGRLPVRS
GMYPGVLGPS SQGGLPLEEV TLAEVLAARG YLTGMAGKWH LGVGPEGAF LPPHQGFHRFL
GIPYSHDQGP CQNLTCFPPD IPCKGGCDQG LVPIPLLNL TVEAQPWLP GLEARYVSFS RDLMADAQRQ
GRPFLLYAS HHTHYQFSG QSFTKRSGRG PFGDSLME LDGAVGALMTTV GDLGLLEETL VIFTADNGPE
LMRMSNGGCS GLLRCGKGT FEGGVREPAL VYWPGHITPG VTHELASSLD LLPTLAALTG APLPNVTLDG
VDISPLLLGT GKSPRKSVFF YPPYPDEIHG VFAVRNGKYK AHFFTQGS AH SDTTS DPACH AANRLTAHEP
PLLYDLSQDP GENYNVLESI EGV SPEALQA LKHIQLLKAQ YDAAMTFGPS QIAKGEDPAL QICCP SCTP
HPVCCHCPGS QSHHHHHH.