

RPPB1411

---

## Product Information    Protein Information

**Product SKU:**

RPPB1411

**Host:**

Sf9, Baculovirus cells.

**Protein description:**

ARSA produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 498 amino acids (21-509a.a.) and having a molecular mass of 53.0kDa. (Molecular size on SDS-PAGE will appear at approximately 50-70kDa). ARSA is expressed with a 9 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

**Appearance:**

Sterile Filtered clear solution.

**Synonyms:**

Arylsulfatase A, Cerebroside-Sulfatase, ASA, Metachromatic Leucodystrophy, MLD, EC 3.1.6.8.

**Formulation:**

ARSA protein solution (0.25mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.

**Purity:**

Greater than 95.0% as determined by SDS-PAGE.

**Stability:**

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 Sequence:**

ADPRPPNIVL IFADDLGYGD LGCYGHPSST TPNLDQLAAG GLRFTDFYVP VSLCTPSRAA LLTGRLPVRM  
GMYPGVLVPS SRGGLPLEEVTVAEVLARG YLTGMAGKWH LGVGPEGAFI PPHQGFHRL GIPYSHDQGP  
CQNLTCFPPA TPCDGGCDQG LVPIILLANL SVEAQPPWLP GLEARYMAFA HDLMADAQRQ DRPFLLYYAS  
HHTHYQFSG QSFAERSGRG PFGDSLMEID AAVGTLMTAI GDLGILEETL VIFTADNGPETMRMSRGGCS  
GLLRGKGTT YEGGVREPAL AFWPGHIAPG VTHELASSLD LLPTLAALAG APLPNVTLDG FDLSPLLGT  
GKSPRQSLFF YPSYPDEVRG VFAVRTGKYK AHFFTQGSAH SDTTADPACH ASSSLTAHEP PLYDLSKDP  
GENYNLLGGV AGATPEVLQA LKQLQLLKAQLDAAVTFGPS QVARGEDPAL QICCHPGCTP RPACCHCPDP  
HAHHHHHH.

**Biological Activity:**

Specific activity is > 2,500 pmol/min/ug, and defined as the amount of enzyme that hydrolyze 4-Nitrocatechol at pH 5.0 at 37C.