

Arylsulfatase A Human Recombinant

Item Number	rAP-1827
Synonyms	Arylsulfatase A, ASA, EC 3.1.6.8, Cerebroside-sulfatase, ARSA, MLD.
Description	ARSA Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 512 amino acids (21-509) and having a molecular mass of 54.3kDa. ARSA is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accession Number	P15289
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSRPPNIVL IFADDLGYGD LGCYGHPSST TPNLDQLAAG GLRFTDFYVP VSLCTPSRAA LLTGRLPVRM GMYPGVLVPS SRGGLPLEEV TVAENVLAARG YLTGMAGKWH LGVGPEGAFLL PPHQGFHRFL GIPYSHDQGP CQNLTCFPPA TPCDGGCDQG LVPIPLLNL SVEAQPPWLP GLEARYMAFA HDLMADAQRQ DRPFLLYYAS HHTHYQFSG QSFAERSGRG PFGDSLMELE AAVGTLMTAI GDLGLLEETL VIFTADNGPE TMRMSRGGCS GLLRGCGKGT YEGGVREPAL AFWPGHIAPG VTHELASSLD LLPTLAALAG APLPNVTLTG FDL- SPLLLGT GKSPRQSLFF YPSYPDEVGR VFAVRTGKYK AHFFTQGSAA SDTTADPACH ASSSLTAHEP PLLYDLSKDP GENYNLLGGV AGATPEVLQA LKQLQLLKAQ LDAAVTFGPS QVARGEDPAL QIC-
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered clear solution. 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.
Formulation and Purity	The ARSA solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M UREA and 10% glycerol. Greater than 90% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**