

32-7279: Recombinant Human Arylsulfatase A/ARSA (C-6His)

Gene : ARSA
Gene ID : 410
Uniprot ID : P15289

Description

Source: Human Cells.
MW :52.9kD.

Recombinant Human Arylsulfatase A is produced by our Mammalian expression system and the target gene encoding Arg19-Ala507 is expressed with a 6His tag at the C-terminus. Arylsulfatase A (ARSA) is a lysosomal enzyme that breaks down Cerebroside 3-Sulfate, a major constituent of the myelin sheet, into Cerebroside and Sulfate. The ARSA deficiency results in Metachromatic Leukodystrophy (MLD), a lysosomal storage disease in the central and peripheral nervous systems with severe and progressive neurological symptoms. Recombinant Human ARSA corresponds to the ARSA mature peptide and has sulfatase activity.

Product Info

Amount : 10 µg / 50 µg
Content : Supplied as a 0.2 µm filtered solution of 20mM TrisHCl, 150mM NaCl, pH 7.5.
Storage condition : Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Amino Acid : RPPNIVLIFADDLGYGDLGCGHPSSTTPNLDQLAAGGLRFTDFYVPSLCTPSRAALLTGRLPVRMGMYPGVL
VPSSRGGLPLEEVTVAEVLAARGYLTMAGKWHLGVGPEGAFLPPHQGFHRFLGIPYSHDQGPCQNLTCFPPA
TPCDGGCDQGLVPIPLLANLSVEAQPWLPGLARYMAFAHDLMADAQRQDRPFLLYYASHHHTYPQFSGQS
FAERSGRGPFGDSELMELDAAVGTLMTAIGDLGLEETLVIFTADNGPETMRMSRGGCSGLLRGCGKGTTYEGGV
REPALAFWPGHIAPGVTHELASSDLLPTLAALAGAPLPNVTLDFDLSPLLLGTGKSPRQSLFFYPSYPDEVRG
VFVRSRGKYKAHFFTQGSASDTPADPACHASSLTAHEPPLLYDLSKDPGENYNLLGGVAGATPEVLQALKQ
LQLLKAQLDAAVTFGPSQVARGEDPALQICCHPGCTPRPACCHCPDPAVDHHHHHHH

Application Note

Endotoxin : Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.