



Recombinant Protein Technical Manual
Recombinant Human Arylsulfatase A/ARSA Protein
(His Tag)
RPES3022

Product Data:

Product SKU: RPES3022

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: P15289

Protein Information:

Molecular Mass: 52.9 kDa

AP Molecular Mass: 55 kDa

Tag: C-6His

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

Shipping: This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.

Formulation: Supplied as a 0.2 µm filtered solution of 20mM TrisHCl, 150mM NaCl, pH 7.5.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Arylsulfatase A; ASA; Cerebrosidase-Sulfatase; ARSA

Immunogen Information:

Sequence: Arg19-Ala507

Background:

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.