

Recombinant Human ARSA (C-6His)

Catalog No: C301

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| Description | 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. |
| Source | E.coli |
| Alternative name | Arylsulfatase A; ASA; Cerebroside-Sulfatase; ARSA |
| Accession No. | P15289 |
| Predicted Molecular Weight | 52.9kDa |
| AP Molecular Weight | 55kDa, reducing conditions. |
| Formulation | Supplied as a 0.2 μ m filtered solution of 20mM TrisHCl, 150mM NaCl, pH 7.5. |
| Quality Control | Purity: Greater than 95% as determined by reducing SDS-PAGE. Endotoxin: Less than 0.1 ng/ μ g (1 IEU/ μ g) as determined by LAL test. |
| Shipping | The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below. |
| Storage | Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles. |
| 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. |

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