

Arylsulfatase A (ARSA)

Product Information

Cat#	DIA-629
Descriptions	Arylsulfatase A (ARSA) is a lysosomal sulfatase that catalyzes desulfation of aryl sulfates and sulfatides, maintains glycosphingolipid metabolic homeostasis, and is commonly used in mechanism research of leukodystrophy and related enzyme activity assays.
Applications	Arylsulfatase A (ARSA) is used for leukodystrophy related detection kit development and lysosomal sulfatase activity assay reagent preparation.
CAS No.	31-6-8060
Enzyme Commission Number	EC 3.1.6.8
Enzyme Source	Trichoplusia ni, High Five (baculovirus)-derived human Arylsulfatase A/ARSA protein.
Reaction	$\text{H}_2\text{O} + \text{N-acyl-1-beta-D- (3-O-sulfo)-galactosyl-sphing-4-enine} = \text{a beta-D-galactosyl- (1->1')-N-acylsphing-4-enine} + \text{H}^+ + \text{sulfate}$