

Heparan Sulfate 6-O-Sulfotransferase 1 (HS6ST1)

Product Information

Cat#	DIA-743
Descriptions	Heparan Sulfate 6-O-Sulfotransferase 1 (HS6ST1) mediates 6-O-sulfation of glucosamine residues in heparan sulfate chains, modulates the binding affinity of growth factors and chemokines, and plays critical roles in embryonic development and angiogenesis regulation.
Applications	Heparan Sulfate 6-O-Sulfotransferase 1 (HS6ST1) serves as a tool for heparan sulfate 6-O-sulfation detection kits and angiogenesis related assay reagent development.
Enzyme Source	CHO-derived
Reaction	3'-phosphoadenylyl sulfate + alpha-D-glucosaminyl-[heparan sulfate] (n) = 6-sulfo-alpha-D-glucosaminyl-[heparan sulfate] (n) + adenosine 3', 5'-bisphosphate + H ⁺
Activity Definition	Measured by its ability to transfer sulfate from PAPS to heparan sulfate under the described conditions.