

Heparan Sulfate 6-O-Sulfotransferase 3 (HS6ST3)

Product Information

Cat#	DIA-744
Descriptions	Heparan Sulfate 6-O-Sulfotransferase 3 (HS6ST3) is a neural-enriched 6-O-sulfotransferase isoform that shapes region-specific heparan sulfate structures, regulates axon guidance and synaptic formation, and supports nervous system development research.
Applications	Heparan Sulfate 6-O-Sulfotransferase 3 (HS6ST3) is applied in neural tissue heparan sulfate detection kits and axon guidance assay reagent development.
CAS No.	28-02-2341
Enzyme Source	CHO-derived
Reaction	3'-phosphoadenylyl sulfate + alpha-D-glucosaminyI-[heparan sulfate] (n) = 6-sulfo-alpha-D-glucosaminyI-[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.