

Heparan Sulfate 3-O-Sulfotransferase 4 (HS3ST4)

Product Information

Cat#	DIA-742
Descriptions	Heparan Sulfate 3-O-Sulfotransferase 4 (HS3ST4) is a tissue-specific 3-O-sulfotransferase isoform that modifies distinct heparan sulfate glucosamine motifs, participates in neural development and cell adhesion regulation, and shows predominant expression in the nervous system.
Applications	Heparan Sulfate 3-O-Sulfotransferase 4 (HS3ST4) is used for neural heparan sulfate detection kits and nervous system development assay reagent development.
CAS No.	28-02-2339
Enzyme Commission Number	EC 2.8.2.23
Enzyme Source	CHO-derived
Reaction	3'-phosphoadenylyl sulfate + alpha-D-glucosaminyl-[heparan sulfate] (n) = 3-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.