

Tyrosylprotein Sulfotransferase 2 (TPST2)

Product Information

Cat#	DIA-888
Descriptions	Tyrosylprotein Sulfotransferase 2 (TPST2) exhibits distinct substrate specificity from TPST1, catalyzes tyrosine sulfation of specific protein substrates including chemokine receptors and coagulation factors, and modulates immune response and hemostatic processes.
Applications	Tyrosylprotein Sulfotransferase 2 (TPST2) is suitable for immune receptor sulfation detection kits and coagulation function assay reagent development.
CAS No.	28-02-2067
Enzyme Commission Number	EC 2.8.2.20
Enzyme Source	Chinese Hamster Ovary cell line, CHO-derived human Tyrosylprotein Sulfotransferase 2/TPST2 protein.
Reaction	3'-phosphoadenylyl sulfate + L-tyrosyl-[protein] = adenosine 3', 5'-bisphosphate + H ⁺ + O-sulfo-L-tyrosine-[protein]
Activity Definition	Measured by its ability to transfer sulfate from PAPS to PSGL-1 peptide (Gln-Ala-Thr-Glu-Tyr-Glu-Tyr-Leu-Asp-Tyr-Asp-Phe-Leu-Pro-Glu-Thr) under the described conditions.