

ST3 β -Gal α -2,3-Sialyltransferase 1

Cat. No.:	HY-E70298	
Target:	Endogenous Metabolite	
Pathway:	Metabolic Enzyme/Protease	
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.	ST ₃ β -Gal α -2,3-Sialyltransferase 1

BIOLOGICAL ACTIVITY

Description

ST3 β -Gal α -2,3-Sialyltransferase 1 (ST3GAL1) is a sialyltransferase whose overexpression in ovarian cancer cell lines enhances cell growth, migration, and invasion capabilities, as well as increases tumorigenicity and resistance to paclitaxel in vivo. ST3 β -Gal α -2,3-Sialyltransferase 1 catalyzes the transfer of sialic acid from cytidine monophosphate-sialic acid to galactose-containing substrates and can be utilized in studies of cancer progression and chemotherapy resistance^[1].

REFERENCES

[1]. Wu X, et al. Sialyltransferase ST3GAL1 promotes cell migration, invasion, and TGF- β 1-induced EMT and confers paclitaxel resistance in ovarian cancer. Cell Death Dis. 2018 Oct 30;9(11):1102.

Caution: Product has not been fully validated for medical applications. For research use only.

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