



## $\alpha$ -2,3-sialyltransferase

**Catalog No.:** EN01002

**Batch:** TZ20211104

**Synonym:** PmST1

**E.C. Number:** 2.4.99.4

**Molecular weight:** 46 kDa

**Activity:** 25.6 U/mL

**Protein:** 8.38 mg/mL

**Purity:**  $\geq$  95% by SDS-page

**Sources:** Recombinant microorganism

### **Description:**

**Analysis:** Enzymatic activity assays are performed in Tris-HCl buffer (200 mM, pH 8.0) containing CMP-sialic acid (20 mM), Gal-Glc (20 mM), and  $Mg^{2+}$  (20 mM) at 37 °C for 30 minutes and analyzed using HPLC with UV detection at 254 nm.

**Unit Definition:** One unit is defined as the amount of enzyme that catalyzes the formation of 1  $\mu$ mol Sia $\alpha$ 2,3Gal-Glc from Gal-Glc and CMP-Sia per minute at 37 °C.

**Usage:** Before use, keep on ice.

**Physical form:** Supplied as a liquid containing Tris-HCl and sodium salts.

**Properties:** liquid

**Storage temperature:** - 20 °C

**Caution:** For laboratory use only, not for drug, household, or other uses.