



CMP-sialic acid synthetase

Catalog No.: EN01009

Batch: TZ20211115

Synonym: NmCSS

E.C. Number: 2.7.7.43

Molecular weight: 26.0 kDa

Activity: 10.44 U/mL

Protein: 2.32 mg/mL

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

Sources: Recombinant microorganism

Description:

Analysis: Enzymatic activity assays are performed in Tris-HCl buffer (100 mM, pH 8.0) containing CTP (2 mM), sialic acid (2 mM), and Mg^{2+} (10 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 μ mol CMP-Sia from sialic acid and CTP per minute at 37 °C at pH 8.0.

Usage: Before use, keep on ice.

Physical form: Supplied as 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.