



For research use only

ISO9001

 α 2-3, 6, 8 Neuraminidase

Product	Quantity	Cat. No.	Remarks
α 2-3, 6, 8 Neuraminidase	10,000 unit	EBG-1011	100 unit/ μ l

Description

α 2-3,6,8 Neuraminidase (Sialidase) catalyzes the hydrolysis of α 2-3, α 2-6, and α 2-8 linked N-acetyl-neuraminic acid residues from glycoproteins and oligosaccharides. Neuraminidase is purified from *E. coli* containing gene from *Clostridium perfringens*.

α 2-3,6,8 Neuraminidase has a molecular weight of ~43 kDa. The optimal pH is 6.0.

Substrate Specificity

Neu5AC α 2 $\downarrow$ 3R
 α 2 6R
 α 2 $\downarrow$ 8R

Product Component

- α 2-3,6,8 Neuraminidase : 100 μ l (100 unit/ μ l)
- 10x Reaction Buffer : 500 mM sodium citrate, pH 6.0.

Unit Definition

One unit will hydrolyze 1 μ mole of 4-methylumbelliferyl α -D-N-acetylneuraminide (4-MU-NANA) per min at pH 6.0 at 37 °C.

Specific Activity

100 unit/ μ l, 200 unit/ μ g

Storage Buffer

20 mM Tris-HCl, pH 7.5, 50 mM NaCl, 5 mM EDTA.

Storage Temperature

Store at -20 °C.

QC Tests

Activity, SDS-PAGE purity, performance tests.



For research use only

ISO9001

 α 2-3, 6, 8 Neuraminidase

Product	Quantity	Cat. No.	Remarks
α 2-3, 6, 8 Neuraminidase	10,000 unit	EBG-1011	100 unit/ μ l

Description

α 2-3,6,8 Neuraminidase (Sialidase) catalyzes the hydrolysis of α 2-3, α 2-6, and α 2-8 linked N-acetyl-neuraminic acid residues from glycoproteins and oligosaccharides. Neuraminidase is purified from *E. coli* containing gene from *Clostridium perfringens*.

α 2-3,6,8 Neuraminidase has a molecular weight of ~43 kDa. The optimal pH is 6.0.

Substrate Specificity

Neu5AC α 2 $\downarrow$ 3R
 α 2 6R
 α 2 $\downarrow$ 8R

Product Component

- α 2-3,6,8 Neuraminidase : 100 μ l (100 unit/ μ l)
- 10x Reaction Buffer : 500 mM sodium citrate, pH 6.0.

Unit Definition

One unit will hydrolyze 1 μ mole of 4-methylumbelliferyl α -D-N-acetylneuraminide (4-MU-NANA) per min at pH 6.0 at 37 °C.

Specific Activity

100 unit/ μ l, 200 unit/ μ g

Storage Buffer

20 mM Tris-HCl, pH 7.5, 50 mM NaCl, 5 mM EDTA.

Storage Temperature

Store at -20 °C.

QC Tests

Activity, SDS-PAGE purity, performance tests.