

Recombinant Neuraminidase (NRH)

Product Information

Cat#	BDE-053
Description	Neuraminidase (NRH) hydrolyzes N-acetylneuraminic acid residues from glycoproteins and oligosaccharides. Given the role of sialic acid (SA) as a tumor marker, enzymatic SA detection offers speed and automation compatibility. NRH initiates the enzymatic reaction in SA assay kits, making it essential for accurate measurement.
Applications	Used for the hydrolysis of terminal sialic acid on glycoproteins, widely applied in glycan analysis and virology research.
Enzyme Commission Number	EC 3.2.1.18
Form	White lyophilized powder, or liquid
Source	Recombinant protein expression
Activity	100 U/mg
Unit Definition	One unit is defined as the amount of enzyme required to catalyze the hydrolysis of 1 μ mol of sialic acid per minute under specified assay conditions (pH 6.5, 37 °C).
Molecular Weight	58 kDa (SDS-PAGE)
Purity	\geq 90% by SDS-PAGE
Storage Buffer	50 mM phosphate buffer, pH 6.8
Storage	Store at 4°C for one year or at -20°C or -80°C for two years (sub-aliquoting is recommended to avoid repeated freeze-thaw cycles that may affect protein activity).