

Recombinant IAV NA Protein, His-tagged

Cat. No. NA-10I Lot. No. (See product label)

SPECIFICATION

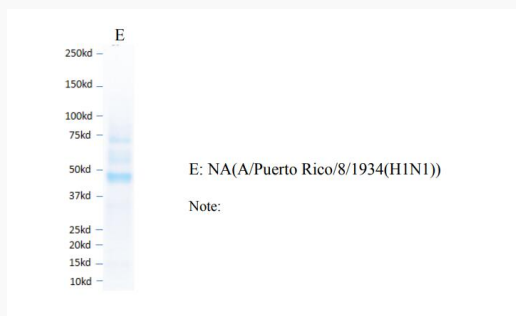
Product Overview	Recombinant IAV (A/Puerto Rico/8/1934(H1N1)) NA Protein with 6xHis tag was purified from 293 cell culture.
Species	IAV
Source	HEK293
Description	Catalyzes the removal of terminal sialic acid residues from viral and cellular glycoconjugates. Cleaves off the terminal sialic acids on the glycosylated HA during virus budding to facilitate virus release. Additionally helps virus spread through the circulation by further removing sialic acids from the cell surface. These cleavages prevent self-aggregation and ensure the efficient spread of the progeny virus from cell to cell. Otherwise, infection would be limited to one round of replication. Described as a receptor-destroying enzyme because it cleaves a terminal sialic acid from the cellular receptors. May facilitate viral invasion of the upper airways by cleaving the sialic acid moieties on the mucin of the airway epithelial cells. Likely to play a role in the budding process through its association with lipid rafts during intracellular transport. May additionally display a raft-association independent effect on budding. Plays a role in the determination of host range restriction on replication and virulence. Sialidase activity in late endosome/lysosome traffic seems to enhance virus replication.
Form	Purified Protein
Purity	≥80%

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Applications	WB standard, antibody ELISA, Functional analysis, etc
Notes	For research use only, not for use in diagnostic procedures
Storage	Keep it at 4 centigrade if used within a month. For long term storage, split it into small aliquots and keep at -80 centigrade. Avoid repeated freezing and thawing. The product will be expired one year after receiving if stored properly. Non-hazardous. No MSDS required.
Storage Buffer	Each vial contains 100 µg of purified protein (1 mg/ml) in PBS.
GENE INFORMATION	
Gene Name	NA neuraminidase [Influenza A virus (A/Puerto Rico/8/1934(H1N1))]
Official Symbol	NA
Synonyms	NA; neuraminidase; pentraxin-related protein PTX3; TNF alpha-induced protein 5; long pentraxin 3; tumor necrosis factor alpha-induced protein 5; tumor necrosis factor-inducible gene 14 protein; tumor necrosis factor-inducible protein TSG-14
Gene ID	956530
Protein Refseq	NP_040981
UniProt ID	P03468

SDS-PAGE

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