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Recombinant Influenza A virus Nucleoprotein(NP)

Catalog Number: RPC22501

Product Name	Recombinant Influenza A virus Nucleoprotein(NP)
Catalog Number	RPC22501
Expression host	<i>E.coli</i>
Product Info	N-terminal 6xHis-SUMO-tagged
Buffer	Lyophilized from 20 mM Tris-HCl, 0.5 M NaCl, 6% Trehalose, pH 8.0 The volume before lyophilization is 220ul/vial.
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Relevance	Encapsidates the negative strand viral RNA, protecting it from nucleases. The encapsidated genomic RNA is termed the ribonucleoprotein (RNP) and serves as template for transcription and replication. The RNP needs to be localized in the host nucleus to start an infectious cycle, but is too large to diffuse through the nuclear pore complex. NP comprises at least 2 nuclear localization signals that are responsible for the active RNP import into the nucleus through cellular importin alpha/beta pathway.
AA sequence	MASQGTKRSYEQMETGGERQDATEIRASVGRMIGGIGRFYIQMCTELKLSDYEG RLIQNSITIERMVLSAFDERRNKYLEEHPSAGKDPKKTGGPIYKRIDGKWMRELI LYDKEEIRRVWRQANNGEDATAGLTHIMIWHSNLNDATYQRTRALVRTGMDPR MCSLMQGSTLPRRSGAAGAAVKGVGTIAMELIGMIKRGINDRNFWRGENGRRT RIAYERMCNILKGKFQTAAQRAMMDQVRESRNPNGNAEIEDLIFLARSALILRGSV AHKSCLPACVYGLAVASGHDFEREGYSLVGIDPFKLLQNSQVFSLIRPNENPAHK SQLVWMACHSAAFEDLRVSGFIRGKKVPRGRLSTRGVQIASNENVEAMDSSTL ELRSRYWAIRTRSGGNTNQQKASADQISVQPTFSVQRNLPFERATVMAAFIGDNE GRTSDMRTEIIRMMESAKPEDLSFQGRGVFELSDEKATNPVPSFDMNNEGSYFF GDNAEEYDN