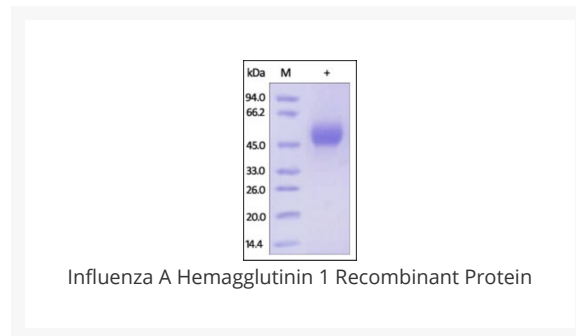




# Influenza A Hemagglutinin 1 Recombinant Protein

Cat. No.: 96-375



## Ψ Specifications

<b>SPECIES:</b>	Influenza A
<b>SOURCE SPECIES:</b>	HEK293 cells
<b>SEQUENCE:</b>	Val 30 - Met 212
<b>FUSION TAG:</b>	His Tag
<b>TESTED APPLICATIONS:</b>	WB
<b>APPLICATIONS:</b>	This recombinant protein can be used for WB. For research use only.
<b>PREDICTED MOLECULAR WEIGHT:</b>	37.5 kDa

## Ψ Properties

<b>PURITY:</b>	>95% as determined by SDS-PAGE.
<b>PHYSICAL STATE:</b>	Lyophilized
<b>BUFFER:</b>	PBS, pH7.4

<b>STORAGE CONDITIONS:</b>	Lyophilized Protein should be stored at -20° C or lower for long term storage. Upon reconstitution, working aliquots should be stored at -20° C or -70° C. Avoid repeated freeze-thaw cycles.
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## Ψ Additional Info

<b>ALTERNATE NAMES:</b>	#REF!
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## Ψ Background and References

<b>BACKGROUND:</b>	Influenza, commonly known as "the flu", is an infectious disease of birds and mammals caused by RNA viruses of the family Orthomyxoviridae, the influenza viruses. The virus is divided into three main types (Influenzavirus A, Influenzavirus B, and Influenzavirus C), which are distinguished by differences in two major internal proteins (hemagglutinin (HA) and neuraminidase (NA), which are the most important targets for the immune system. The type A viruses are the most virulent human pathogens among the three influenza types and cause the most severe disease. The serotypes that have been confirmed in humans, ordered by the number of known human pandemic deaths, are: H1N1, H2N2, H3N2, H5N1, H7N7, H1N2, H9N2, H7N2, H7N3, H10N7, H7N9. H7N9 is a serotype of the species Influenzavirus A (avian influenza virus or bird flu virus). H7 normally circulates amongst avian populations with some variants known to occasionally infect humans. An H7N9 virus was first reported to have infected humans in 2013 in China.
<b>REFERENCES:</b>	1) Eccles, R., 2005, Lancet Infect Dis 5 (11): 718-25.
	2) Hui DS., 2008, Respirology. 13 Suppl 1: S10-3.
	3) Shadbolt, Peter. 2013, CNN. Retrieved 25 April 2013.
	4) The fight against bird flu. Nature 496 (7446): 397. April 24, 2013.

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