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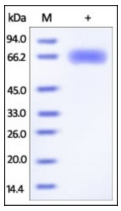
ProSci Incorporated
12170 Flint Place
Poway, CA 92064

Toll Free: +1 (888) 513 9525
Local: +1 (858) 513 2638
Fax: +1 (858) 513 2692

techsupport@prosci-inc.com

Influenza A Hemagglutinin Recombinant Protein

Cat. No.: 96-374



Influenza A Hemagglutinin Recombinant Protein

Specifications

SPECIES:	Influenza A
SOURCE SPECIES:	HEK293 cells
SEQUENCE:	Asp 19 - Gly 338, Leu 341 - Asp 523
FUSION TAG:	His Tag
TESTED APPLICATIONS:	WB
APPLICATIONS:	This recombinant protein can be used for WB. For research use only.
PREDICTED MOLECULAR WEIGHT:	58.6 kDa

Properties

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

STORAGE CONDITIONS:	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.

Additional Info

ALTERNATE NAMES:	Influenza A, H7N9, H5N1, HA, Hemagglutinin, influenza (flu) virus, H1N1, H2N2, H3N2, H7N7, H1N2, H7N2, H7N3, H10N7

Background and References

BACKGROUND:	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.
REFERENCES:	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.