

**Influenza A H1N1 (A/Ohio/07/2009)  
Hemagglutinin (HA1 Subunit) HEK293 Cell  
Lysate (WB positive control)**

Catalog Number: 40007-V08H1L



**Sino Biological Inc.**  
Biological Solution Specialist

**Hemagglutinin / HA Transfected / Overexpression Cell Lysate Product Information**

|                              |  |
|------------------------------|--|
| <b>Expressed Host:</b>       | HEK293 Cells   |
| <b>Products Description:</b> | Human Cell lysate that Influenza A H1N1 (A/Ohio/07/2009) Hemagglutinin / HA1 transfected / overexpressed for Western blot (WB) positive control. The whole cell lysate is provided in 1X Sample Buffer (1X modified RIPA buffer+1X SDS loading buffer).        |
| <b>Sequence information:</b> | A DNA sequence encoding the Influenza A virus (A/Ohio/07/2009 (H1N1)) hemagglutinin (ACR38870.1) (Met1-Arg344), termed as HA1, was expressed with a C-terminal polyhistidine tag.  |
| <b>Predicted N Terminal:</b> | Asp 17   |
| <b>Molecule Mass:</b>        | The recombinant HA1 subunit of Influenza A virus (A/Ohio/07/2009 (H1N1)) comprises 338 amino acids and has a predicted molecular mass of 37.7 kDa. The apparent molecular mass of the protein is approximately 52.9 kDa in SDS-PAGE under reducing conditions. |
| <b>Species:</b>              | H1N1   |

**Hemagglutinin / HA Transfected / Overexpression Cell Lysate Usage Guide**

|                                 |  |
|---------------------------------|--|
| <b>Preparation Method:</b>      | Cell lysate was prepared by homogenization in ice-cold modified RIPA Lysis Buffer with cocktail of protease inhibitors (Sigma). Cell debris was removed by centrifugation. Protein concentration was determined by Bradford assay (Bio-Rad protein assay, Microplate Standard assay). The cell lysate was boiled for 5 min in 1 x SDS loading buffer (50 mM Tris-HCl pH 6.8, 12.5% glycerol, 1% sodium dodecylsulfate, 0.01% bromophenol blue) containing 5% b-mercaptoethanol, and lyophilized. |
| <b>Lysis Buffer:</b>            | Modified RIPA Lysis Buffer: 50 mM Tris-HCl pH 7.4, 150 mM NaCl, 1mM EDTA, 1% Triton X-100, 0.1% SDS, 1% Sodium deoxycholate, 1mM PMSF.   |
| <b>Quality Control Testing:</b> | 12.5% SDS-PAGE Stained with Coomassie Blue after protein purification.   |
| <b>Stability:</b>               | Samples are stable for up to twelve months from date of receipt.   |
| <b>Recommend Usage:</b>         | <ol style="list-style-type: none"><li>1. Centrifuge the tube for a few seconds and ensure the pellet at the bottom of the tube.</li><li>2. Re-dissolve the pellet using 200µL pure water and boil for 2-5 min.</li><li>3. Store the lyophilized cell lysate at 4°C. After re-dissolution, recommend to aliquot it into smaller quantities and store at -80°C.</li></ol>  |
| <b>Storage Buffer:</b>          | 1 X Sample Buffer (1 X modified RIPA buffer+1 X SDS loading buffer).   |
| <b>Storage Instruction:</b>     | Store at 4°C. After re-dissolution, aliquot and store at -80°C.  |
| <b>Application notes:</b>       | Western blot (WB): Use at an assay dependent dilution.<br>Other Applications: Not tested.<br>Optimal dilutions/concentrations should be determined by the end user.  |

**Manufactured By Sino Biological Inc., FOR RESEARCH USE ONLY. NOT FOR USE IN HUMANS.**

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