

# Lot Certificate of Analysis

**Protein Name:** A/Swine/North Carolina/154074/2015 rHA H1

**Catalog Number:** H3-20177

**General Information:** 6X-His Hemagglutinin Trimer; Expressed in HEK Expi293; Purified by IMAC; Suspended in Phosphate Buffered Saline with 0.1% Azide

**Quantity:** 100 µg

**Buffer:** **PBSA:**  
Potassium Dihydrogen Phosphate 0.144g/L, Sodium Chloride 9g/L,  
Disodium Phosphate 0.795g/L; 0.1% Azide; pH 7.3-7.5

**MW:** ~270 kDa (native trimer)  
~80-90 kDa (monomer) (SDS-PAGE)

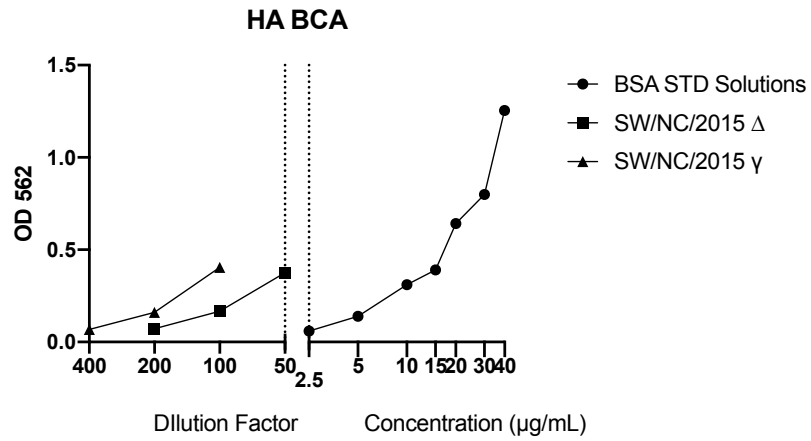
**Purity:** ≥95%

**Stability:** At least 1 year at -80°C

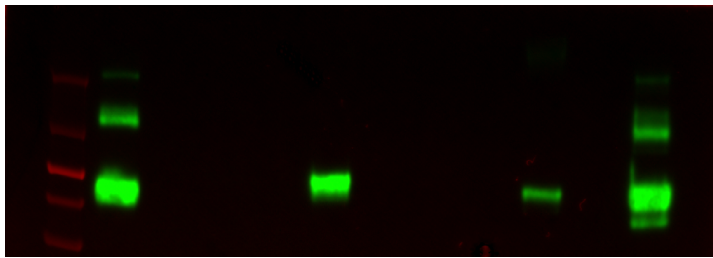
**Storage:** -80°C; Avoid Freeze/Thaw Cycles

**Sequence:** **EPI1908880**  
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PLHLGKCNIAGWLLGNPECESLSAANSWSYIVETSNSENGTCYPGDFINYEELREQLSSVSSFERF  
EIFPKTSSWPNHDTNRSVTAACPHAGTKSFYRNLIWLKKNLYPKINKSYINNKEKEVLVLWAI  
HHPSTSDDQRSLYQNADAYVFGSSRYSRKFEPEIATRPKVRDQAGRMNYYWTLVEPGDKITFE  
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DGITNKVNSVIEKMNTQFTAVGKEFSLERRIENLNKKVDDGFLDIWTYNAELLVLLNERTLDY  
HDSNVKNLYEKVRSQKNNAKEIGNGCFEFYHKCDDTCMESVKNGTDYPRYSEEAKLNREEID  
GVKLESTRIYQILAIYSTVASSLVLVVSLGAISFWMCSNGSLQCRICI

**BCA Curve with Plotted Points:**



**Western Blot with HA Standard:**



- Lane 1: Ladder
- Lane 2: H1 + CA/09 wt H1N1 STD 1µg
- Lane 3: Blank
- Lane 4: H3 + Sing/16 wt H3N2 STD
- Lane 5: Blank
- Lane 6: SW/NV/2015 γ 1µg
- Lane 7: Blank
- Lane 8: HK/14 wt 7919 1µg
- Lane 9: Blank
- Lane 10: SW/NC/2015 Δ 1µg
- Lane 11: Blank
- Lane 12: CA/09 wt 7871 1µg