

# Certificate of Analysis

**Protein Name:** A/Wisconsin/67/2005 rHA H3

**Catalog Number:** H3-7916

**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)

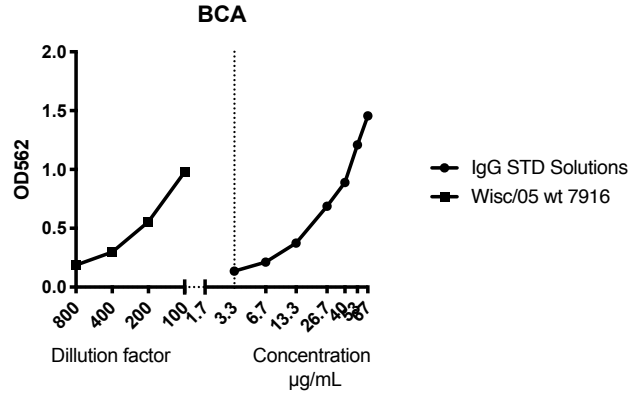
**Purity:** ≥95%

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

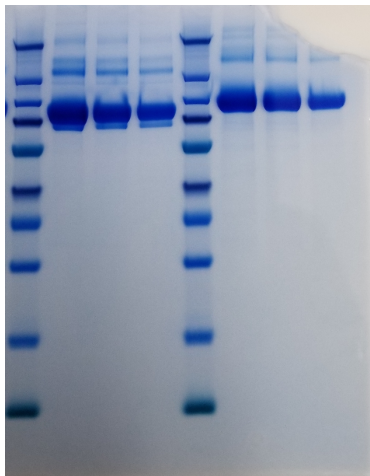
**Storage:** -80°C; Avoid Freeze/Thaw Cycles

**Sequence:** EPI1868444  
MKTIIALS YILCLVFAQKLP GNDNSTATLCLGHHAVPNGTIVKTITNDQIEVTNATELVQSSSTGGI  
CDSPHQILDGENCTLIDALLGDPQCDGFGQNKKWDLFVERSKAYSNCPYDVPDYASLRSLVASS  
GTLEFNDESFNWTGVTQNGTSSSCKRRSNNSFFSRLNWLTHLKFYPALNVTMPNNEKFDKLYI  
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EMNKL FERTKKQLRENXEDMGNGCFKIYHKCDNACIGSIRNGTYDHDVYRDEALNNRFQJQGV  
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**BCA Curve with Plotted Points:**

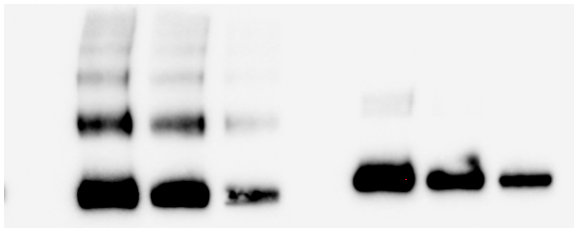


**Coomassie Gel with BSA Standard:**



- Lane 1: Ladder
- Lane 2: CA/09 wt STD 8 $\mu\text{g}$
- Lane 3: CA/09 wt STD 5 $\mu\text{g}$
- Lane 4: CA/09 wt STD 3 $\mu\text{g}$
- Lane 5: Ladder
- Lane 6: Wisc/05 wt 8 $\mu\text{g}$
- Lane 7: Wisc/05 wt 5 $\mu\text{g}$
- Lane 8: Wisc/05 wt 3 $\mu\text{g}$

**Western Blot with HA Standard:**



- Lane 1: Ladder
- Lane 2: CA/09 wt STD 500ng
- Lane 3: CA/09 wt STD 250ng
- Lane 4: CA/09 wt STD 100ng
- Lane 5: Ladder
- Lane 6: Wisc/05 wt 500ng
- Lane 7: Wisc/05 wt 250ng
- Lane 8: Wisc/05 wt 100ng