

# Lot Certificate of Analysis

**Protein Name:** B/Austria/1359417/2021 Victoria rHA

**Catalog Number:** BV-20398

**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)

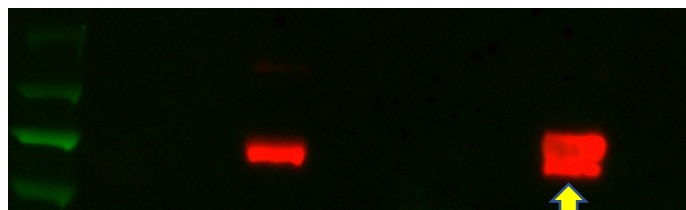
**Purity:** ≥95%

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

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

**Sequence:** **EPI3009130**  
MKAIIVLLMVVTSNADRICTGITSSNSPHVVKTATQGEVNVTVIPLTTTPTKSHFANLKGTTETRG  
KLCPKCLNCTDLVALGRPKCTGKIPSARVSILHEVRPVTSGCFPIMHVRTKIRQLPNLLRGYEHV  
RLSTHNVINTEADAPGGPYEIGTSGSCLNITNGKGFATMAWAVPKNKTATNPLTIEVPYICTEEE  
DQITVWGFHSDDQMARLYGDSKPQKFTSSANGVTTHYVSQIGGFNPQTEDGGLPQSGRIV  
VDYMVQKSGKTGTITYQRGILLPQKVVWCASGSKSVIKGSLPLIGEADCLHEKYGGLNKSPPYTG  
EHAKAIGNCPIWVKTPLKLANGTKYRPPAKLLKERGFFGAIAGFLEGGWEGMIAGWHGYTSHG  
AHGVAVAADLKSTQEAINKITKNLNSLSELEVKNLQRLSGAMDELHNEILELDEKVDLDRADTISS  
QIELAVLLSNEGIINSEDEHLLALERKLLKMLGPSAVEIGNGCFETKHKCNQTCLDRIAAGTFDAG  
EFSLPTFDSL NITAASLND DGLDNHTILLYSTAASSLAVTLMIAIFVVMVSRDNVSCSICL

**Western Blot with HA Standard:**



- Lane 1: Ladder
- Lane 2: A/Bris/18 sHA 7871 H1 STD 1 $\mu$ g
- Lane 3: A/Sing/16 7975 H3 STD 1 $\mu$ g
- Lane 4: B/Phuket/13 IBV STD 1 $\mu$ g
- Lane 5: SARS-COV-2 Spike\_JM C19 STD 1 $\mu$ g
- Lane 6: wisc/19  $\Delta$ SA 20396 H1-20396-001.1 1 $\mu$ g
- Lane 7: Dar/21  $\Delta$ SA 20397 H3-20937-001.1 1 $\mu$ g
- Lane 8: B/Austria/21  $\Delta$ SA BV-20398-001.1 1 $\mu$ g