

# Bioassayplus Inc.

4510 Rhodes Drive, Windsor, Canada N8W 5K5

## Product Specification Sheet

**Important Note:** Centrifuge before opening to ensure complete recovery of vial contents

**Product name:** Human Norovirus GII full length capsid

**Catalog #:** Noro2-cap

**Description:** Human *Norovirus*, a positive sense RNA virus with 7.5kb nucleotides, encoding a major structural protein VP1 with 58~60kDa. It is classified into two groups, group 1 and group 2. This group 2 recombinant capsid was derived from the full length capsid 53 to 548 amino acids ( Strain: Hu/Beijing/06/2005/CHN, Swiss-Prot B5AHE9 )

The recombinant Norovirus Group-2 capsid is derived from *E. coli*, the purified protein has over 90% in purity and migrated at the correct position on 10% SDS-PAGE as the predicted molecular size from its amino acids.

**Source:** *E. coli*

**Format:** Purified, Liquid

**Purification:** 90% (10% SDS-PAGE, Coomassie stain). Proprietary chromatographic technique

**Concentration:** 1.27mg/ml (lot 0712023 )

**Buffer:** PBS / 25mM K<sub>2</sub>CO<sub>3</sub>

**Applications:** Vaccine study and immunoassay

**Manufacture date:** July, 2023

**Expiration date:** 2 years after receiving the product in -20°C

**Storage:** Upon receipt, store at -20°C. Avoid multiple freeze/thaw cycles



Norovirus 2 full length capsid, 1.27mg/ml, 072023

Bound Noro II capsid	3.3ug	1.1ug	0.37ug	0.12ug	0.04ug	13.7ng	4ng	1.5ng
OD of Test	0.373	0.426	0.421	0.390	0.132	0.051	0.028	0.009
OD of control	0.023	0.018	0.017	0.025	0.026	0.018	0.021	0.008
Signal/BKG	16.22	23.66	24.76	15.6	5.07	3.92	1.33	1.125

Blocking buffer: PBS with 1.5%BSA, 1.5% Trehalose, 1.5% gelatin, 1:500 dilute antibody