
Product Name: Biotinylated, CMP Isotype Control

Product Code: BCMP-24000

FOR RESEARCH USE ONLY (RUO)

Protein Name: Biotinylated CMP Isotype Control

Alternate Name(s):

Expression Host
HEK293T

Amino Acid Range

Protein Construct

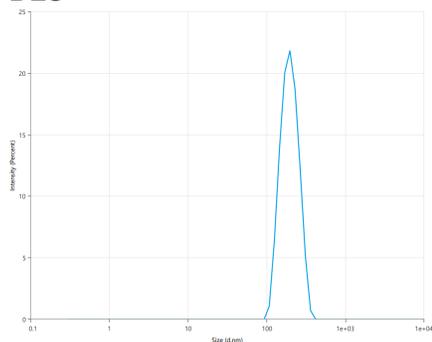
CMP Isotype Control product is the null viral-like particle (VLP) formed by self-assembly of viral capsid proteins without displaying the specific target membrane protein and biotinylated with biotin on a 22.4 Å spacer arm. Expressed in HEK293T cell line.

Formulation
0.45µm filtered PBS, pH 7.4

Stability & Storage
-80°C

Shipping Conditions
Frozen Dry Ice

DLS



The mean peak diameter (nm) of the CMP is 190 with a range of 177-203 with more than 95% intensity as determined by dynamic light scattering (DLS).

Background

Virus-like particles (VLPs) are nanostructures formed spontaneously by the self-assembly of viral capsid proteins. The VLPs contain viral structure proteins as an empty multi-protein shell without viral genetic materials. Due to the absence of the genetic material, VLPs are replication- and infection-incompetent. VLPs possess diverse applications in specific antigen and membrane protein presentations for therapeutics, immunization and bioassays. The null VLP doesn't contain the specific target protein and serves as the negative control for various applications.