

Biotinylated Nanodisc Control



Cat. No. CON-HM1NB

Description

Source Recombinant Biotinylated Nanodisc Control is expressed from HEK293 with His tag at the C-terminus. Our Control Nanodisc features a small, integrated alpha-helix peptide at the center of the nanodisc. The phospholipid disc is stabilized by an SMA (a type of copolymer) belt as the scaffold. The control nanodiscs are used to exclude experimental artifacts caused by the scaffold or phospholipid components, such as fluorescent background or nonspecific interactions.

Molecular Weight The protein has a predicted MW of 24.0 kDa.

Endotoxin Less than 1 EU per µg by the LAL method.

Formulation and Storage

Formulation Supplied as 0.22 µm filtered solution in PBS, 200mM L-arginine (pH 7.4). Notice: Not recommended for flow cytometry in mammalian cells.

Storage Valid for 6 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

SMA based nanodiscs are synthetic structures formed using styrene maleic anhydride (SMA), which allows for the stabilization and solubilization of membrane proteins without the use of detergents. The advantage is directly extraction proteins from their native cell membrane environment.