

Astrovirus Capsid

Astrovirus Capsid Recombinant
VAG0006

Product Overview

Name Astrovirus Capsid

Description

Astrovirus Capsid Recombinant

Accession (Primary) [Q3ZN02](#)

Synonyms

Serotransferrin, Transferrin, Siderophilin, Beta-1-metal-binding globulin, TF, PRO1557, PRO2086, DKFZp781D0156, Apo Transferrin, ATF.

Introduction

Transferrin is the iron-transport protein of vertebrate serum and donates iron to cells through interaction with a specific membrane receptor, CD71. Transferrin appears to be indispensable for most cells growing in tissue culture. It is referred to frequently as a growth factor because, in analogy to other growth factor-receptor interactions, proliferating cells express high numbers of transferrin receptors, and the binding of transferrin to their receptors is needed for cells to initiate and maintain their DNA synthesis. Apart from its role as an iron transport protein transferrin acts as a cytokine and has functions that may not be related to its iron-carrying capacity. Bovine Transferrin is a crucial component for the cultivation of mammalian cells in- vitro. Bovine Transferrin is Critical for long-term cells growth in- vitro. Bovine Transferrin is used as detoxificant in media by binding contaminating metal ions. Bovine Transferrin is often used as a nutrient in fermentation media for recombinant protein and biopharmaceutical production. Additional common uses of Bovine Transferrin are Molecular weight, Affinity purification of anti-human transferrin antibodies and also as receptor mediated transfection of molecules such as DNA, into cells.

Source

Bovine Serum.

Physical Appearance

Sterile Filtered off-white lyophilized (freeze-dried) powder.

Formulation

The protein (1mg/ml) was lyophilized with no additives.

Stability

Store the lyophilized Apo Transferrin between 2-8°C, do not freeze.

Purity

Greater than 95.0% as determined by SDS-PAGE.

Solubility

It is recommended to reconstitute the lyophilized Apo Transferrin in sterile 18M Ω -cm H₂O not less than 1gr/30ml in 20min. at 20-25C.

Iron Content

The Iron content was estimated by ICP-OES and was found to be less than 40 ppm.

Precautions

Astrovirus Capsid is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: ([Q3ZN02](#))