9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

ATF Bovine

Apo Transferrin Bovine
NTP0007

Product Overview

Name	ATF Bovine
Description	
Apo Transferrin Bovine	
Accession (Primary)	Q29443
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	

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Greater than 95.0% as determined by SDS-PAGE.

Solubility

It is recommended to reconstitute the lyophilized Apo Transferrin in sterile 18MΩ-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

ATF Bovine is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q29443)