
Product Data Sheet

Product Name: HTF Bovine
Cat. No.: GP22748
Batch No.: 1

Product Data

Purity	>98%	Source	
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	Serotransferrin; Transferrin; Siderophilin; Beta-1-metal-binding globulin; TF; PRO1557; PRO2086; DKFZp781D0156; Holo Transferrin; HTF.		
Solubility	It is recommended to reconstitute the lyophilized Bovine HTF in sterile 18MΩ-cm H ₂ O not less than 100μg/ml, which can then be further diluted to other aqueous solutions.		
Formulation	The protein (1mg/ml) was lyophilized with no additives.		

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.

Stability

Lyophilized Bovine HTF although stable at room temperature for 3 weeks, should be stored desiccated below -18°C . Upon reconstitution Bovine HTF should be stored at 4°C between 2-7 days and for future use below -18°C .Please prevent freeze-thaw cycles.

Background

Bovine Holo Transferrin is a glycoprotein of approximately 80 kDa.

Caution: Product has not been fully validated for medical applications. For research use only.

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