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

Transferrin Human, CHO

Transferrin Human Recombinant, CHO
RCP2427

Product Overview

Name	Transferrin Human, CHO
Description	
Transferrin Human Recombinant, CHO	
Accession (Primary)	P02787
Synonyms	
Serotransferrin, Transferrin, Siderophilin, Beta-1-metal-binding globulin, TF, PRO1557, PRO2086, DKFZp781D0156, HTF.	
Source	
Chinese Hamster Ovary cells.	
Physical Appearance	
Sterile Filtered clear solution.	
Formulation	
Transferrin solution contains 0.05% NaN 3 and PBS.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Protein is >95% pure as determined by 10% PAGE (coomassie staining).	
Applications	
Immunoassay, cell culture.	
Background	
Human recombinant transferrin, a glycoprotein responsible for iron transport in the body, has gained increasing attention in the fields of biomedicine and health sciences. This multifaceted protein serves as an essential carrier of iron and is crucial for cellular growth, immunity, and various physiological processes. Its recombinant form, produced through advanced biotechnological methods, offers several advantages for therapeutic and research purposes. This study aims to provide a comprehensive exploration of human recombinant transferrin, shedding light on its various functions and potential applications in health and biomedicine. The primary objective of this research is to elucidate the essential role of transferrin in iron homeostasis and its significance for human health. In vitro and in vivo experiments	

will be conducted to investigate how recombinant transferrin interacts with cellular receptors, regulates iron uptake, and influences cellular proliferation. Understanding these mechanisms is fundamental for deciphering the complexities of iron metabolism and its impact on health and disease. The second objective is to assess the clinical relevance of human recombinant transferrin in medical interventions. Clinical trials and studies involving individuals with iron-related disorders, such as iron-deficiency anemia, will be conducted to evaluate the efficacy and safety of recombinant transferrin supplementation. These investigations may provide insights into the use of recombinant transferrin as a therapeutic agent in various clinical settings. The third objective is to explore the broader implications of human recombinant transferrin in biomedicine and research. Research will investigate its potential roles in areas beyond iron transport, such as drug delivery, tissue engineering, and cell culture. Understanding the multifaceted properties of recombinant transferrin may open new avenues for innovative approaches in various medical specialties and scientific research. By delving into the diverse functions of human recombinant transferrin, this research aims to expand our understanding of its physiological roles and clinical applications. The findings may contribute to the development of innovative strategies for the treatment of iron-related disorders and the advancement of biomedicine and scientific research.

Precautions

Transferrin Human, CHO is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P02787)

Background

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