

Transferrin Human, CHO

Transferrin Human Recombinant, CHO

RCP2427

Product Overview

Name	Transferrin Human, CHO
Accession(Primary)	P02787
Description	Transferrin Human Recombinant, CHO

Target information (P02787)

Gene Name

About Gene Symbol

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.