

Rev03
 Update: Aug,08,2025

DATASHEET

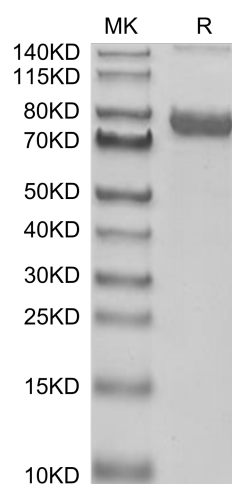
Transferrin R/CD71, His, Cynomolgus

Cat. No.: Z04933

Product Introduction

Species	Cynomolgus
Protein Construction	<div style="display: flex; align-items: center; justify-content: center;"> <div style="background-color: #333; color: white; padding: 5px; margin-right: 10px;">His</div> <div style="background-color: #0070C0; color: white; padding: 5px; border: 1px solid black;"> Transferrin R/CD71 (Cys89-Phe760) Accession # XP_005545315.1 </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> N-term C-term </div>
Purity	> 95% as determined by Bis-Tris PAGE
Endotoxin Level	Less than 1EU per µg by the LAL method.
Expression System	HEK293
Theoretical Molecular Weight	76.3 kDa
Apparent Molecular Weight	Due to glycosylation, the protein migrates to 78-80 kDa based on Bis-Tris PAGE result.
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4).
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage & Stability	Upon receiving, the product remains stable up to 6 months at -20 °C or below. Upon reconstitution, the product should be stable for 3 months at -80 °C. Avoid repeated freeze-thaw cycles.

Examples



Transferrin R/CD71, His, Cynomolgus on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

Background

Target Background : The transferrin receptor (CD71) is known as a receptor for IgA1 on mesangial cells. The transcript and protein expression of glomerular CD71 was determined by real-time polymerase chain reaction and immunohistochemistry. Human mesangial cells (HMCs) were treated with sera from IgAN patients and expression levels of CD71 and inflammatory cytokine markers were compared according to disease status.

Synonyms : TR; TfR1; CD71; sTfR; T9; p90; TFRC; TFR

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