

Rev03
 Update: Aug,08,2025

DATASHEET

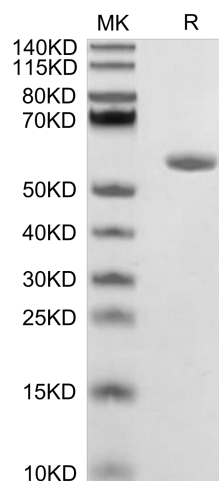
APOA1 hFc Chimera, Human

Cat. No.: Z05033

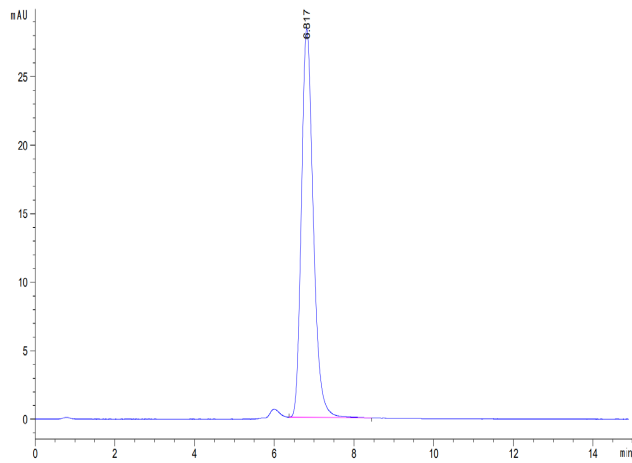
Product Introduction

Species	Human
Protein Construction	<div style="display: flex; align-items: center; gap: 10px;"> <div style="background-color: #0056b3; color: white; padding: 5px; text-align: center;"> APOA1 (Asp25-Gln267) Accession # P02647 </div> <div style="background-color: #76923c; color: white; padding: 5px; text-align: center;"> hFc </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 5px; font-size: small;"> N-term C-term </div>
Purity	> 95% as determined by BisTris PAGE > 95% as determined by HPLC
Endotoxin Level	Less than 1EU per µg by the LAL method.
Expression System	HEK293
Theoretical Molecular Weight	54.8 kDa
Apparent Molecular Weight	Due to glycosylation, the protein migrates to 55-65 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



APOA1 hFc Chimera, Human on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.



The purity of APOA1 hFc Chimera, Human is greater than 95% as determined by SEC-HPLC.

Background

Target Background : Apolipoprotein A1 (ApoA1) is a main protein moiety in high-density lipoprotein (HDL) particles. Generally, ApoA1 and HDL are considered as atheroprotective. In prooxidant and inflammatory microenvironment in the vicinity to the atherosclerotic lesion, ApoA1/HDL are subjected to modification. The chemical modifications such as oxidation, nitration, etc result in altering native architecture of ApoA1 toward dysfunctionality and abnormality.

Synonyms : Apo-AI; ProapoA-I; APOA1; MGC117399; Alp-1; Brp-14; Ltw-1; Lvtw-1; Sep-1; Sep-2

For research use only. Not intended for human or animal clinical trials, therapeutic or diagnostic use.

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