

Rev02
 Update: Aug,08,2025
DATASHEET

APOH, His, Human

Cat. No.: Z05040

Product Introduction

Species	Human
Protein Construction	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="background-color: #0056b3; color: white; padding: 5px; text-align: center;"> APOH (Gly20-Cys345) Accession # P02749 <small>N-term</small> </div> <div style="background-color: #76b82a; color: white; padding: 5px; text-align: center;"> His <small>C-term</small> </div> </div>
Purity	> 95% as determined by BisTris PAGE > 95% as determined by HPLC
Endotoxin Level	Less than 1EU per µg by the LAL method.
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized APOH, His, Human at 5µg/ml (100µl/Well) on the plate can bind AntiAPOH Antibody, hFc Tag. Test result was comparable to standard batch.
Expression System	HEK293
Theoretical Molecular Weight	37.4 kDa
Apparent Molecular Weight	Due to glycosylation, the protein migrates to 52-60 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.

Background

Target Background : Apolipoprotein (apo)H (also known as beta 2 glycoprotein-I) is a glycoprotein synthesized by liver cells and it is present in the blood associated with plasma lipoproteins. APOH displays a genetically determined structural polymorphism: three alleles (APOH*1, APOH*2, APOH*3) at a single locus on chromosome 17 code for different isoforms, and population studies have shown that APOH*2 is the most frequent allele.

Synonyms : Apo-H; B2GP1; B2G1; APOH; B2GPI; beta(2)GPI; BG;β(2)GPI;

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