

Apolipoprotein A-V/APOA5 Protein, Mouse (His)

Cat. No.:	HY-P77872
Synonyms:	Apolipoprotein A-V; Apo-AV; ApoA-V; Apolipoprotein A5; APOA5; Rap3
Species:	Mouse
Source:	E. coli
Accession:	Q8C7G5 (R21-G368)
Gene ID:	66113
Molecular Weight:	Approximately 40.5 kDa

PROPERTIES

Appearance	Solution
Formulation	Supplied as a 0.22 µm filtered solution of 20 mM Tris, 500 mM NaCl, 10% glycerol, 2 mM DTT, pH 8.5.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	N/A.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice

DESCRIPTION

Background	Apolipoprotein A-V (APOA5) is a minor apolipoprotein primarily associated with HDL and, to a lesser extent, with VLDL, and may also be linked to chylomicrons. It plays a crucial role in regulating plasma triglyceride (TG) levels, acting as a potent stimulator of apo-CII lipoprotein lipase (LPL) TG hydrolysis and as an inhibitor of the hepatic VLDL-TG production rate, without affecting the VLDL-apoB production rate. APOA5 activates lecithin:cholesterol acyltransferase (LCAT) poorly and does not enhance cholesterol efflux from macrophages. Additionally, it exhibits binding affinity for heparin and interacts with GPIHBP1. Furthermore, APOA5 engages in an interaction with SORL1, influencing its internalization and sorting, either to lysosomes for degradation or to the trans-Golgi network.
------------	---

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA