

Mouse APOA5 Protein

Cat. No. APA-ME105

Description

Source	Recombinant Mouse APOA5 Protein is expressed from E.coli with His tag at the N-Terminus. It contains Arg21-Gly368.
Accession	Q8C7G5
Molecular Weight	The protein has a predicted MW of 40.5 kDa same as Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE

Formulation and Storage

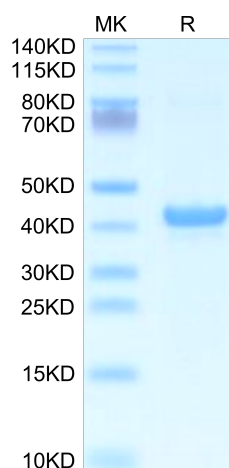
Formulation	Supplied as 0.22µm filtered solution in 20mM Tris, 500mM NaCl, 10% Glycerol, 2mM DTT (pH 8.5).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

APOA5 is probably the gene with the strongest effect on triglyceride (TG) metabolism. APOA5 is almost exclusively expressed in the liver, and its product apoAV has a very low circulating concentration. New physiological roles of apoAV have been recently elucidated, such as control of chylomicron production in the intestine and TG accumulation in adipose tissue. The key role of APOA5 in TG metabolism has been largely shown through genetic studies in association with either severe or moderate hypertriglyceridemia.

Assay Data

Tris-Bis PAGE



Mouse APOA5 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.