

Product information



APOA5, 24-366aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP2476

Full name: Apolipoprotein A-V precursor

NCBI Accession No.: NP_443200

Synonyms: Apolipoprotein A-V, APOAV; RAP3

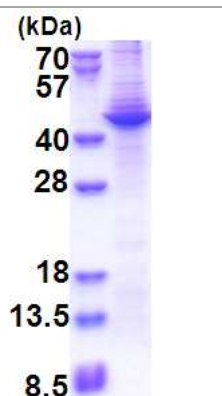
Description: APOA5 is an apolipoprotein that plays an important role in regulating the plasma triglyceride levels, a major risk factor for coronary artery disease. It is a component of high density lipoprotein and is highly similar to a rat protein that is upregulated in response to liver injury. Mutations in this gene have been associated with hypertriglyceridemia and hyperlipoproteinemia type 5. This gene is located proximal to the apolipoprotein gene cluster on chromosome 11q23. Alternatively spliced transcript variants encoding the same protein have been identified. Recombinant human APOA5 protein, fused to His-tag at N-terminus, was expressed in *E.coli*.

Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing
10% glycerol, 0.4M Urea

Molecular Weight: 41.3kDa (366aa)

Purity: >85 % by SDS - PAGE

Concentration: 0.25 mg/ml (determined by Bradford assay)



15% SDS-PAGE (3ug)

Sequences of amino acids:

MGSSHHHHHH SSGLVPRGSH MGSRKGFWDY FSQTS GDKGR VEQIHQQKMA REPATLKDSL EQDLNMMNKF LEKLRPLSGS EAPRLPQDPV
GMRRQLQEEL EEVKARLQPY MAEAHELVGW NLEGLRQQLK PYTMLMEQV ALRVQELQEQ LRVVGEDTKA QLLGGVDEAW ALLQGLQSRV
VHHTGRFKEL FHPYAESLVS GIGRHVQELH RSVAPHAPAS PARLSRCVQV LSRKLTAK ALHARIQQNL DQLREELSRA FAGTGTTEGA
GPDPQMLSEE VRQLQAFRQ DTYLQIAAFT RAIDQETEEV QQQLAPPPP HSAFAPEFQQ TDSGKVL SKL QARLDDLWED ITHSLHDQGH
SHLGDP

General references:

Weinberg R.B., *et al.* (2003) *J. Biol. Chem.* 278:34438-34444.

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.
Avoid repeated freezing and thawing cycles.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.



Manufactured for:

Immuno-Biological Laboratories, Inc. (IBL-America)
8201 Central Ave. NE, Suite P, Minneapolis, Minnesota 55432, USA

Phone: (888) 523-1246 Fax.: (763) 780-2988

Email: info@ibl-america.com Web: www.ibl-america.com