

Apolipoprotein H/APOH Protein, Mouse (HEK293, His)

Cat. No.:	HY-P7534
Synonyms:	rMuApolipoprotein H, His; ApoH; B2G1; B2GP1; Apolipoprotein H
Species:	Mouse
Source:	HEK293
Accession:	Q01339 (G20-C345)
Gene ID:	11818
Molecular Weight:	50-62 kDa

PROPERTIES

AA Sequence	<pre> GRICPKPDDL PFATVVPLKT SYDPGEQIVY SCKPGYVSRG GMRRFTCPLT GMWPINTLRC VPRVCPFAGI LENGIVRYTS FEYPKNISFA CNPGFFLNGT SSSKCTEEGK WSPDIPACAR ITCPPPPVPK FALLKDYRPS AGNNSLYQDT VVFKCLPHFA MIGNDTVMCT EQGNWTRLPE CLEVKCPFP RPENGYVNYP AKPVL LLYKDK ATFGCHETYK LDGPEEAECT KTGTWSFLPT CRE SCKLPVK KATVLYQGMR VKIQEQFKNG MMHGDKIHFY CKNKEKKCSY TVEAHC RDGT IEIPSCFKEH SSLAFWKTD SELTPCHHHH HH </pre>
Biological Activity	Measured in a cell proliferation assay using Jurkat human T-lymphocyte leukemia cells. The ED ₅₀ for this effect is ≤0.2027 μg/mL, corresponding to a specific activity is ≥4.933×10 ³ units/mg.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background

Apolipoprotein H (ApoH), also known as β 2-glycoprotein I (β 2GPI), is a 43–50 kDa single-chain glycoprotein that is expressed predominantly in the liver but also in other cell types such as endothelial cells, lymphocytes, astrocytes and neurons. ApoH is a phospholipid-binding (e.g. cardiolipin) plasma protein that also binds other negatively charged molecules such as DNA and oxidised low-density lipoproteins and interacts with a variety of proteins^[1].

REFERENCES

[1]. Mather KA, et al. Genome-wide significant results identified for plasma apolipoprotein H levels in middle-aged and older adults. *Sci Rep.* 2016 Mar 31;6:23675.

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

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