

APOLD1 Protein, Human (Cell-Free, His)

Cat. No.:	HY-P702212
Synonyms:	Apolipoprotein L domain-containing protein 1; Vascular early response gene protein
Species:	Human
Source:	E. coli Cell-free
Accession:	Q96LR9 (M1-F279)
Gene ID:	81575
Molecular Weight:	33.4 kDa

PROPERTIES

AA Sequence	<pre> MFRAPCHRLR ARGTRKARAG AWRGCTFPCL GKGMERPAAR EPHGPDALRR FQGLLLDRRG RLHGQVLRRLR EVARRLERLR RRSLVANVAG SLSATGALA AIVGLSLSPV TLGTSLLVSA VGLGVATAGG AVTITSDLSL IFCNSRELRR VQEIAATCQD QMREILSCLE FFCRWQGC GD RQLLQCGRNA SIALYNSVYF IVFFGSRGFL IPRRAEGDTK VSQAVLKAKI QKLAESLESC TGALDELSEQ LESRVQLCTK SSRGHDLKIS ADQRAGLFF </pre>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.22 µm filtered solution of Tris/PBS-based buffer, 6% Trehalose, pH 8.0.
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 5-50% of glycerol (final concentration). Our default final concentration of glycerol is 50%. Customers could use it as reference.
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	APOLD1 Protein emerges as a potential participant in angiogenesis, suggesting a role in the intricate processes of blood vessel formation. Furthermore, it may contribute to activity-dependent changes in brain vasculature, hinting at a dynamic role in the modulation of blood flow within neural tissues. The potential impact of APOLD1 on blood-brain permeability implies its involvement in regulating the passage of substances between the bloodstream and the brain. Elucidating the
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specific mechanisms through which APOLD1 influences angiogenesis, activity-dependent alterations in brain vasculature, and blood-brain permeability could provide valuable insights into its role in vascular dynamics and potentially uncover new avenues for understanding and manipulating vascular processes in neurological contexts.

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

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