

## ANGPTL4/Angiotensin-converting enzyme 4 Protein, Human (GST)

Cat. No.:	HY-P700562
Synonyms:	Angiotensin-converting enzyme 4/Hepatic fibrinogen/angiotensin-converting enzyme 4 protein ; HFARP
Species:	Human
Source:	E. coli
Accession:	Q9BY76 (V28-E403)
Gene ID:	51129
Molecular Weight:	69.6 kDa

### PROPERTIES

AA Sequence	<pre>V Q S K S P R F A S   W D E M N V L A H G   L L Q L G Q G L R E   H A E R T R S Q L S A L E R R L S A C G   S A C Q G T E G S T   D L P L A P E S R V   D P E V L H S L Q T Q L K A Q N S R I Q   Q L F H K V A Q Q Q   R H L E K Q H L R I   Q H L Q S Q F G L L D H K H L D H E V A   K P A R R K R L P E   M A Q P V D P A H N   V S R L H R L P R D C Q E L F Q V G E R   Q S G L F E I Q P Q   G S P P F L V N C K   M T S D G G W T V I Q R R H D G S V D F   N R P W E A Y K A G   F G D P H G E F W L   G L E K V H S I T G D R N S R L A V Q L   R D W D G N A E L L   Q F S V H L G G E D   T A Y S L Q L T A P V A G Q L G A T T V   P P S G L S V P F S   T W D Q D H D L R R   D K N C A K S L S G G W W F G T C S H S   N L N G Q Y F R S I   P Q Q R Q K L K K G   I F W K T W R G R Y Y P L Q A T T M L I   Q P M A A E</pre>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 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 <sub>2</sub> O.
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	The ANGPTL4/Angiotensin-converting enzyme 4 protein functions as a mediator in the inactivation of lipoprotein lipase (LPL), playing a crucial role in the regulation of triglyceride clearance from the blood serum and lipid metabolism. Additionally, it is implicated in the potential regulation of glucose homeostasis and insulin sensitivity. ANGPTL4 inhibits endothelial cell
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proliferation, migration, and tubule formation, thereby reducing vascular leakage. It also interferes with the adhesion of endothelial cells to the extracellular matrix, inhibiting the reorganization of the actin cytoskeleton, formation of actin stress fibers, and focal adhesions. In certain contexts, ANGPTL4 may modulate angiogenesis related to tumor development. The cleaved form of ANGPTL4 exhibits higher activity in LPL inactivation compared to the uncleaved protein, highlighting its multifaceted role in metabolic and vascular regulation.

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

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