

FGL2 Protein, Mouse (HEK293, His-Avi, Flag)

Cat. No.:	HY-P700990
Synonyms:	Fibroleukin; pT49; FGL2; fibrinogen-like 2;
Species:	Mouse
Source:	HEK293
Accession:	P12804 (P197-P432)
Gene ID:	14190
Molecular Weight:	40-50 kDa

PROPERTIES

Appearance	Lyophilized powder
Formulation	Lyophilized from a 0.22 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	FGL2 (Fibrinogen-Like Protein 2) is a crucial enzyme involved in the coagulation pathway, exerting its function by converting prothrombin into thrombin. This conversion is a pivotal step in the blood clotting process, playing a fundamental role in maintaining hemostasis. Structurally, FGL2 forms a homotetramer, indicating the assembly of four identical subunits. The integrity of this tetrameric structure is maintained through disulfide linkages between the subunits. The homotetrameric arrangement suggests a cooperative mechanism, potentially enhancing the efficiency of FGL2 in its prothrombin-to-thrombin conversion activity. Ongoing research may reveal additional insights into the specific regulatory mechanisms and physiological implications of FGL2 in the coagulation cascade.
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Caution: Product has not been fully validated for medical applications. For research use only.

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