

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

Cat. No.:	HY-P700988
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	Solution.
Formulation	Supplied as a 0.22µm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	N/A.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

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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