

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

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| Cat. No.: | HY-P700989 |
| Synonyms: | Fibroleukin; pT49; FGL2; fibrinogen-like 2; |
| Species: | Rat |
| Source: | HEK293 |
| Accession: | Q32Q89 (V193-P427) |
| Gene ID: | / |
| Molecular Weight: | 45-55 kDa |

PROPERTIES

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| 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

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| 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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