

Active Recombinant Human FGL2 Protein, His-tagged

Cat. No. FGL2-01H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human FGL2 Protein (Asn24-Pro439) with a C-terminal 6-His tag was expressed in Chinese Hamster Ovary cell line.
Species	Human
Source	CHO
ProteinLength	24-439 a.a.
Description	The protein encoded by this gene is a secreted protein that is similar to the beta- and gamma-chains of fibrinogen. The carboxyl-terminus of the encoded protein consists of the fibrinogen-related domains (FRED). The encoded protein forms a tetrameric complex which is stabilized by interchain disulfide bonds. This protein may play a role in physiologic functions at mucosal sites.
Bio-activity	Measured by its ability to inhibit anti-CD3-induced proliferation of stimulated human T cells. The ED50 for this effect is 1-8 µg/mL.
Molecular Mass	48 kDa
N-terminal Sequence Analysis	Asp32
Endotoxin	< 0.1 EU/µg of the protein by the LAL method.

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Purity	> 80%, by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie® Blue Staining.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.
Storage Buffer	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose.
Reconstitution	Reconstitute at 500 µg/mL in PBS.
Shipping	The product is shipped at ambient temperature.

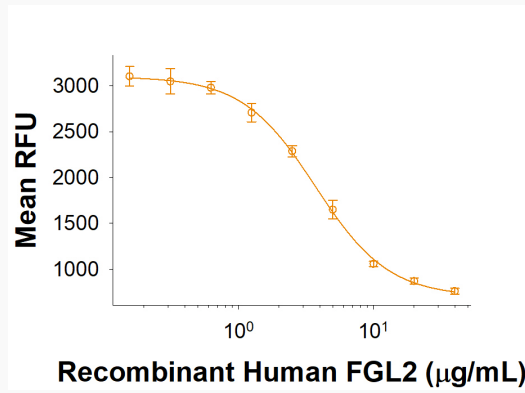
GENE INFORMATION

Gene Name	FGL2 fibrinogen like 2 [Homo sapiens (human)]
Official Symbol	FGL2
Synonyms	FGL2; fibrinogen like 2; T49; pT49; fibroleukin; fibrinogen-like protein 2
Gene ID	10875
mRNA Refseq	NM_006682
Protein Refseq	NP_006673
MIM	605351
UniProt ID	Q14314

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Bioactivity

Recombinant Human FGL2 His-tag inhibits anti-CD3-induced proliferation of stimulated human T cells. The ED₅₀ for this effect is 1-8 µg/mL.

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