

Active Recombinant Human FMOD protein, His-tagged

Cat. No. FMOD-82H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human FMOD protein (Asp75-Ile376), fused to His-tag at N-terminus, was expressed in mouse myeloma cell line, NS0-derived.
Species	Human
Source	Mammalian Cells
ProteinLength	302
Form	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose.
Bio-activity	Measured by its binding ability in a functional ELISA. When Bovine Collagen-I is immobilized at 10 µg/mL, 100 µL/well, the concentration of Recombinant Human Fibromodulin/FMOD that produces 50% of the optimal binding response is 1-6 µg/mL
Molecular Mass	36 kDa
Endotoxin	<0.10 EU per 1 µg of the protein by the LAL method.
Purity	>95%, 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.

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3 months, -20 to -70 centigrade under sterile conditions after reconstitution.

Reconstitution Reconstitute at 200 µg/mL in PBS.

GENE INFORMATION

Gene Name FMOD

Official Symbol FMOD

Synonyms FM; SLRR2E

Gene ID 2331

mRNA Refseq NM_002023.5

Protein Refseq NP_002014.2

MIM 600245

UniProt ID Q06828

Binding Activity of FMOD-82H When Bovine Collagen-I is immobilized at 10 µg/mL, 100 µL/well, Recombinant Human Fibromodulin/FMOD binds with an ED50 of 1-6µg/mL.

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