

Recombinant Human Fibromodulin/FMOD Protein

Catalog No.: RP03243

Sequence Information

Species Gene ID

Human 2331

Swiss Prot Tags

Q06828 C-hFc

Synonyms

FMOD; FM; SLRR2E; Fibromodulin

Product Information

Source Purification

HEK293 cells ≥ 90 % as determined by SDS-PAGE.

Calculated MW Observed MW

68.2 kDa 70-95 kDa

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Background

Fibromodulin (FMOD), an ECM small leucine-rich proteoglycan (SLRP), was reported to promote angiogenesis not only during wound healing, but also in optical and cutaneous angiogenesis-dependent diseases. The autocrine FMOD of cancer cells may promote tumor angiogenesis of SCLC by upregulating the expression of angiogenic factors that act in concert to facilitate the angiogenic phenotype of endothelial cells as a proangiogenic factor. Therefore, silencing FMOD may be a potentially clinical therapy for repressing tumor angiogenesis.

Basic Information

Description

Recombinant Human Fibromodulin/FMOD Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Met1-Ile376) of Human Fibromodulin/FMOD (Accession #NP_002014.2) fused with hFc tag at the C-terminus.

Activity

Shipping

Lyophilized proteins are shipped at ambient temperature. Liquid proteins are shipped at frozen temperature with dry ice. Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

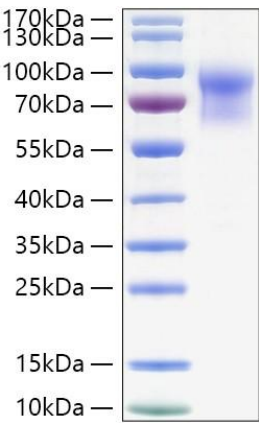
Contact

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Validation Data



Recombinant Human Fibromodulin/FMOD Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.