RPB494Hu01 10μg

Recombinant Fibromodulin (FMOD)

Organism Species: Homo sapiens (Human)

Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY
NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

12th Edition (Revised in Aug, 2016)

[PROPERTIES]

Source: Prokaryotic expression.

Host: *E. coli*

Residues: Gln19~Ile376

Tags: N-terminal His-Tag

Tissue Specificity: Liver, Placenta, Brain.

Subcellular Location: Secreted, extracellular space, extracellular matrix.

Purity: >95%

Traits: Freeze-dried powder

Buffer formulation: 100mM $NaHCO_3$, 500mM NaCl, pH8.3, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5%Trehalose and Proclin300.

Original Concentration: 200μg/mL

Applications: Positive Control; Immunogen; SDS-PAGE; WB.

(May be suitable for use in other assays to be determined by the end user.)

Predicted isoelectric point: 6.1

Predicted Molecular Mass: 44.9kDa

Accurate Molecular Mass: 45kDa as determined by SDS-PAGE reducing conditions.

[USAGE]

Reconstitute in 100mM $NaHCO_3$, 500mM NaCl (pH8.3) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

Store at 2-8^{o}C for one month.

Aliquot and store at -80^{o}C for 12 months.

Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37^{o}C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

[SEQUENCE]

QY EDDPHWWFHY LRSQQSTYYD PYDPYPYETY
EPYPYGVDEG PAYTYGSPSP PDPRDCPQEC DCPPNFPTAM YCDNRNLKYL
PFVPSRMKYV YFQNNQITSI QEGVFDNATG LLWIALHGNQ ITSDKVGRKV
FSKLRHLERL YLDHNNLTRM PGPLPRSLRE LHLDHNQISR VPNNALEGLE
NLTALYLQHN EIQEVGSSMR GLRSLILLDL SYNHLRKVPD GLPSALEQLY
MEHNNVYTVP DSYFRGAPKL LYVRLSHNSL TNNGLASNTF NSSSLLELDL
SYNQLQKIPP VNTNLENLYL QGNRINEFSI SSFCTVVDVV NFSKLQVLRL
DGNEIKRSAM PADAPLCLRL ASLIEI

[IDENTIFICATION]

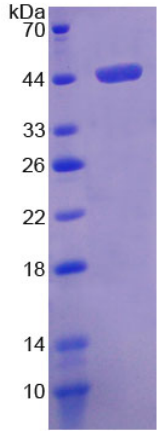

Figure 1. SDS-PAGE