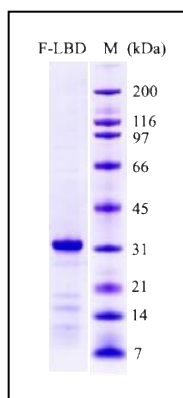


Recombinant FXR-LBD Protein

Catalog Number	Size
AG1067-10	10ug
AG1067-25	25ug
AG1067-B	Bulk

Description



The ligand-binding domain of the human farnesol X receptor (FXR-LBD/217-472) was expressed in the E coli system and purified by the combination of Ni-affinity column and other conventional chromatographic methods. The resulted protein contains 276 amino acids with a 6His tag at the N-terminus. It migrates in SDS-PAGE with an apparent molecular mass of 32kDa.

MGSSHHHHHHSSGLVPRGSHMQTVNEDSEGRDLRQVTSTTKSCREKTELT
PDQQTLLHFIMDSYNKQMPQEITNKILKEEFSAEENFLILTEMATNHVQ
VLVEFTKKLPGFQTLDHEDQIALLKGSVEAMFLRSAEIFNKKLPSGHSD
LLEERIRNSGISDEYITPMFSFYKSIGELKMTQEEYALLTAIVILSPDRQ
YIKDREAVEKIQEPLLDVQLCKLCKIHQPENPQHFACLLGRLELRTFNHH
HAEMLSWRVNDHKFTPLLCEIWDVQ-

Accession Number

U68233

Molecular Mass

Approximately 32kDa.

Purity

≥90%, as determined by SDS-PAGE.

Biological Activity

FXR is a ligand-activated transcription factor that regulates the expression of genes involved in bile acid synthesis and transport. The recombinant FXR-LBD protein can be used for the studies of transcription assays, protein-protein or protein-ligand interactions and other related function assays.

Formulation

20mM Tris-Cl (pH7.9), 20% glycerol 100mM NaCl, 1mM DTT and 1mM EDTA.

Storage

The protein sample can be stored under sterile conditions at 2-8°C for one month or at -20°C to -70°C for three months without detectable loss of activity. **(Avoid repeated freeze-thaw cycle)**

FOR RESEARCH USE ONLY!!!