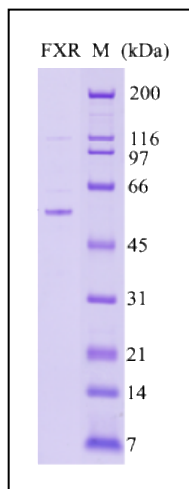


Recombinant FXR Protein

Catalog Number	Size
AG1044-10	10ug
AG1044-25	25ug
AG1044-B	Bulk

Description



The human Farnesoid X-activated receptor (FXR) was expressed in the E coli expression system and purified by the combination of Ni-affinity column and other conventional chromatographic methods. The resulted protein contains 491 amino acids (19+472) with a 6His tag at the N-terminus. It migrates in SDS-PAGE with an apparent molecular mass of 60kDa.

MGSSHHHHHHSSGLVPRGSHMGSKMNLIEHSHLPTTDEFSFSENLFQVLT
 QVAGPLGQNLEVEPYQYSNVQFPQVQVQPISSSSYYSNLGFYPQQPEEWYS
 PGIYELRRMPAETLYQGETEVAEMPVTKKPRMGASAGRIKGDELVCVCGDR
 ASGYHYNALTCEGCKGFFRRSITKNAVYKCKNGGNCVMDMYMRKQCERL
 RKCKEMGMLAECLLTEIQCKSKRLRKNVKQHADQTVNEDESEGRDLRQVTST
 TKSCREKTELTPDQQTLLHFIMDSYNKQRMPEITNKILKEEFSAEENFLI
 LTEMATNHVQVLVEFTKKLPGFQTLDDHEDQIALLKGSAAVEAMFLRSAEIFN
 KKLPSGHSDDLLEERIRNSGISDEYITPMFSFYKSIGELKMTQEEYALLTAI
 VILSPDRQYIKDREAVEKLQEPPLLDVLQKLCKIHQPENPQHFACILGRLTE
 LRTFNHHHAEMLSWRVNDHKFTPLLCEIWDVQ-

Accession Number

U68233

Molecular Mass

Approximately 60kDa.

Purity

≥90%, as determined by SDS-PAGE.

Biological Activity

The FXR functions as a heterodimer with RXR and binds to sequence elements in the promoters of target genes. The recombinant FXR protein can be used for the studies of transcription assays, protein-protein/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!!!