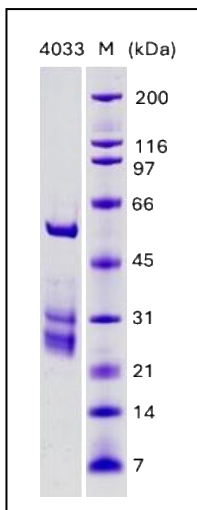


Recombinant GST-FXR-LBD

Catalog Number	Size
AG4033-10	10ug
AG4033-25	25ug
AG4033-B	Bulk

Description



The recombinant GST-FXR-LBD (217-472) protein was expressed in E coli and purified by the combination of glutathione Sepharose affinity column and other conventional chromatographic methods. The resulted protein contains 481 amino acids with a GST tag at the N-terminus. It migrates in SDS-PAGE with an apparent molecular mass of 55kDa.

```

MSPILGYWKI KGLVQPTRLL LEYLEEKYEE HLYERDEGDK WRNKKFELGL
EFPNLPYYID GDVKLTQSM A IIRYIADKHN MLGGCPKERA EISMLEGAVL
DIRYGVSRIA YSKDFETLKV DFLSKLPEML KMFEDRLCHK TYLNGDHVTH
PDFMLYDALD VVLYMDPMCL DAFPKLVCFK KRIEAIQID KYLKSSKYIA
WPLQGWAQTF GGGDHPPKSD LVPRGSQTVN EDSEGRDLRQ VTSTTKSCRE
KTELTPDQQT LLHFIMDSYN QQRMPQEITN KILKEEFSAE ENFLILTEMA
TNHVQVLVEF TKKLPGFQTL DHEDQIALLK GSAVEAMFLR SAEIFNKKLP
SGHSDLLEER IRNSGISDEY ITPMFSFYKS IGELKMTQEE YALLTAIVIL
SPDRQYIKDR EAVEKLQEPL LDVLQKLCKI HQPENPQHFA CLLGRLTELR
TFNHHHAEMI MSWRVNDHKF TPLLCEIWDV Q-
  
```

Accession Number

U68233

Molecular Mass

Approximately 55kDa.

Purity

≥90%, as determined by SDS-PAGE.

Biological Activity

The human farnesol X receptor (FXR) is a ligand-activated transcription factor that regulates the expression of genes involved in bile acid synthesis and transport. The recombinant GST-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!!!