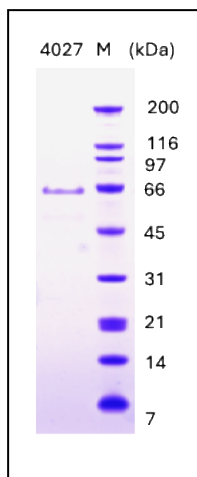


## Recombinant GST-LXR $\alpha$ Protein

| Catalog Number | Size |
|----------------|------|
| AG4027-10      | 10ug |
| AG4027-25      | 25ug |
| AG4027-B       | Bulk |

### Description

The recombinant GST-LXR $\alpha$ -LBD 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 459 amino acids with a GST tag at the N-terminus. It migrates in SDS-PAGE with an apparent molecular mass of 65kDa.



```

MSPILGYWKI KGLVQPTRL L LEYLEEKYEE HLYERDEGDK WRNKKFELGL
EFPNLPYYID GDVKLTQSM A IIRYIADKHN MLGGCPKERA EISMLEGAVL
DIRYGVSR I A YSKDFETLKV DFLSKLPEML KMFEDRLCHK TYLNGDHVTH
PDFMLYDALD VVLYMDPMCL DAFPKLVCFK KRIEAIQID KYLKSSKYIA
WPLQGWQATF GGGDHPPKSD LVPRGSEKLV AAQQQCNRRS FSDRLRVTPW
PMAPDPHSRE ARQQRFAHFT ELAIVSVQEI VDFAKQLPGF LQLSREDQIA
LLKTS AIEVM LLET SRRYNP GSESITFLKD FSYNREDFAK AGLQVEFINP
IFEFSRAMNE LQLNDAEFAL LIAISIFSAD RPNVQDQLQV ERLQHTYVEA
LHAYVSIHHP HDRLMFPRML MKLVSLRTLS SVHSEQVFAL RLQDKKLPL
LSEIWDVHE-

```

### Accession Number

NM\_005693

### Molecular Mass

Approximately 65kDa.

### Purity

 $\geq 90\%$ , as determined by SDS-PAGE.

### Biological Activity

The LXR $\alpha$  protein functions as a heterodimer with RXR regulating expression of target genes containing retinoid response elements. The recombinant GST-LXR $\alpha$ -LBD 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!!!**