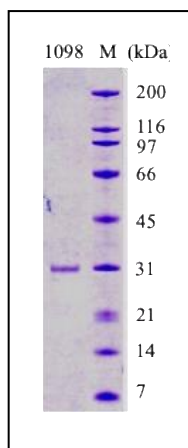


Recombinant PXR-LBD (241-434)

Catalog Number	Size
AG1098-10	10ug
AG1098-25	25ug
AG1098-B	Bulk

Description



The ligand binding domain of human pregnane X receptor (PXR-LBD) 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 203 amino acids with a 6His tag at the N-terminus. It migrates in SDS-PAGE with an apparent molecular mass of 30kDa.

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MAHHHHHHASPHMADMSTYMFKGIISFAKVISYFRDLPIDQISLLKG
AAFELCQLRFNTVFNAETGTWECGRLSYCLEDTAGGFQQLLEPMLKF
HYMLKKLQLHEEEYVLMQAISLFSPPDRPGVLQHRVVDQLQEQAFTLK
SYIECNRPQPAHRFLFLKIMAMLTLELRSINAQHTQRLRLRIQDIHPFAT
PLMQELFGITGS-
```

Accession Number

NM_003889

Molecular Mass

Approximately 30kDa.

Purity

≥90%, as determined by SDS-PAGE.

Biological Activity

The human PXR protein is a member of nuclear hormone receptor family and functions as a transcription regulator of cytochrome P450 gene CYP3A4. The recombinant PXR-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!!!