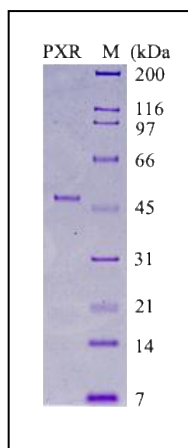


Recombinant PXR Protein

Catalog Number	Size
AG1082-10	10ug
AG1082-25	25ug
AG1082-B	Bulk

Description



The pregnane X receptor (PXR/NR1I2) was expressed in the baculovirus system and purified by the combination of Ni-affinity column and other conventional chromatographic methods. The resulted protein contains 449 amino acids with a 6His tag at the N-terminus. It migrates in SDS-PAGE with an apparent molecular mass of 50kDa.

MHHHHHHGRRASVLEMEVRPKESWNHADDFVHCEDTESVPGKPSVNADEEV
GGPQICRVCGDKATGYHFNVTCEGCKGFFRRAMKRNARLRCPFRKGACE
ITRKTRRQCQACRLRKCLESGMKKEMIMSDEAVEERRALIKRKKSERTGT
QPLGVQGLTEEQRMMIRELMDAQMKTFDTTFSHFKNFRLPGVLSSGCELP
ESLQAPSREEAAKWSQVRKDLCSLKVSLQLRGEDGSVWNYKPPADSGGKE
IFSLLPHMADMSTYMFKGIISFAKVISYFRDLPIEDQISLLKGAFAELCQ
LRFNTVFNAETGTWECGRLSYCLEDTAGGFQQLLLEPMLKFHYMLKKLQL
HEEEYVLMQAIISLFSPPDRPGVLQHRVVDQLQEQAIFATLKSIECNRPQPA
HRFLFLKIMAMLTLELSINAQHTQRLRLRIQDIHPFATPLMQELFGITGS-

Accession Number

NM_003889

Molecular Mass

Approximately 50kDa.

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 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!!!