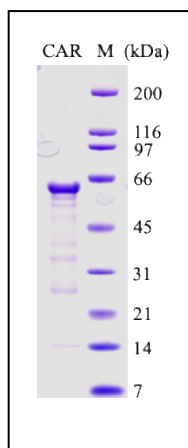


Recombinant CAR Protein

Catalog Number	Size
AG1096-10	10ug
AG1096-25	25ug
AG1096-B	Bulk

Description



The human constitutive androstane receptor (CAR/NR1I3) 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 368 amino acids with an 6His tag at the N-terminus. It migrates in SDS-PAGE with an apparent molecular mass of 60kDa.

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MGSSHHHHHHSSGLVPRGSHMASREDELRNCVVCGDQATGYHFNALTCEG
CKGFFRRTVSKSIGPTCPFAGSCEVSKTQRRHCPACRLQKCLDAGMRKDM
ILSAEALALRRAKQAQRRQQTPVQLSKEQEELIRTLGAHTRHMGTMFE
QFVQFRPPAHLFIHHQPLPTLAPVLPVTHFADINTFMVLQVIKFTKDLF
VFRSLPIEDQISLLKGAAVEICHIVLNTTFCLQTQNFLCGPLRYTIEDGA
RVGFQVEFLELLFHFHGTLRKLQLQEPEYVLLAAMALFSPDRPGVTQRDE
IDQLQEEMALTLSYIKGQQRPRDRFLYAKLLGLLAELRSINEAYGYQI
QHIQGLSAMMPLLQEICS-
```

Accession Number

NM_005122

Molecular Mass

Approximately 60kDa.

Purity

≥90%, as determined by SDS-PAGE.

Biological Activity

The CAR protein is a member of nuclear hormone receptor family and plays a critical role in xenobiotic and endobiotic metabolism. The recombinant CAR 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!!!