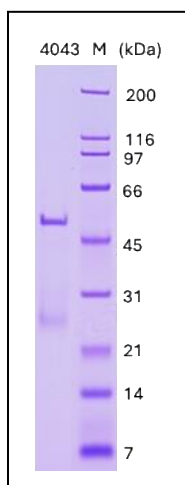


Recombinant GST-CAR-LBD

Catalog Number	Size
AG4043-10	10ug
AG4043-25	25ug
AG4043-B	Bulk

Description



The GST-CAR-LBD (101-348) protein was expressed in the E coli system and purified by the combination of Glutathione Sepharose affinity column and other conventional chromatographic methods. The resulted protein contains 480 amino acids with an GST tag at the N-terminus. It migrates in SDS-PAGE with an apparent molecular mass of 52kDa.

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MSPILGWYKI KGLVQPTRLL LEYLEEKYEE HLYERDEGDK WRNKKFELGL
EFPNLPYYID GDVKLTQSM A IIRYIADKHN MLGGCPKERA EISMLEGAVL
DIRYGVSRIA YSKDFETLKV DFLSKLPEML KMFEDRLCHK TYLNGDHVTH
PDFMLYDALD VVLYMDPMCL DAFPKLVCFK KRIEAIQID KYLKSSKYIA
WPLQGWQATF GGGDHPPKSD LVPRGSPMGH MAQTPVQLSK EQEELIRTL
GAHTRHMGTM FEQFVQFRPP AHLFIHHQPL PTLAPVPLV THFADINTFM
VLQVIKFTKD LPVFRSLPIE DQISLLKGAA VEICHIVLNT TFCLQTQNFL
CGPLRYTIED GARVGFQVEF LELLFHFHGT LRKLQLQEPE YVLLAAMALF
SPDRPGVTQR DEIDQLQEEM ALTLQSYIKG QQRRPRDRFL YAKLLGLLAE
LRSINEAYGY QIQHIQGLSA MMPLLQEICS -
  
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Accession Number

NM_005122

Molecular Mass

Approximately 52kDa.

Purity

≥90%, as determined by SDS-PAGE.

Biological Activity

The human constitutive androstane receptor (CAR or NR113) protein is a member of nuclear hormone receptor family and plays a critical role in xenobiotic and endobiotic metabolism. The recombinant GST-CAR-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!!!