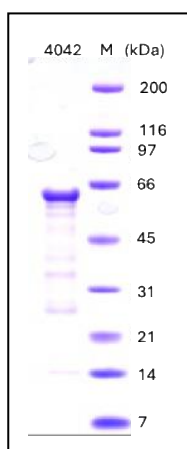


Recombinant GST-CAR Protein

Catalog Number	Size
AG4042-10	10ug
AG4042-25	25ug
AG4042-B	Bulk

Description

The GST-CAR 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 578 amino acids with an GST tag at the N-terminus. It migrates in SDS-PAGE with an apparent molecular mass of 60kDa.



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MSPILGWYKI KGLVQPTRLL LEYLEEKYEE HLYERDEGDK WRNKKFELGL
EFPNLPYYID GDVKLTQSM IIRYIADKHN MLGGCPKERA EISMLEGAVL
DIRYGVSRIA YSKDFETLV DFLSKLPEML KMFEDRLCHK TYLNGDHVTH
PDFMLYDALD VVLYMDPMCL DAFPKLVCFK KRIEAIPOID KYLKSSKYIA
WPLQGWQATF GGGDHPPKSD LVPRGSPMGH MASREDELRN CVVCGDQATG
YHFNALTCEG CKGFFRRTVS KSIGPTCPFA GSCEVSKTQR RHCPCARLQK
CLDAGMRKDM ILSAEALALR RAKQAQRRQ QTPVQLSKEQ EELIRTLIGA
HTRHMGTMFE QFVQFRPPAH LFIHQPLPT LAPVLPLVTH FADINTFMVL
QVIKFTKDLF VFRSLPIEDQ ISLLKGAAVE ICHIVLNTTF CLQTQNFCLG
PLRYTIEDGA RVGFQVEFLE LLFHFHGTLR KLQLQEPEYV LLAAMALFSP
DRPGVTQRDE IDQLQEEMAL TLQSYIKGQQ RRPRDRFLYA KLLGLLAEELR
SINEAYGYQI QHIQGLSMM PLLQEICS-

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Accession Number

NM_005122

Molecular Mass

Approximately 60kDa.

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 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!!!