

Recombinant RAR γ Protein

Catalog Number	Size
AG1055-10	10ug
AG1055-25	25ug
AG1055-B	Bulk

Description

NA

The recombinant Retinoic Acid Receptor gamma (RAR γ) was expressed in the baculovirus system and purified by the combination of Ni-affinity column and other conventional chromatographic methods. The resulted protein contains 468 amino acids with a 6His tag at the N-terminus. It migrates in SDS-PAGE with an apparent molecular mass of 55kDa.

MHHHHHHGRRASVH MATNKERLFAAGALGPGSGYPGAGFPFAFPALRGS
PPFEMLSPSFRGLGQPDLPKEMASLSVETQSTSSEEMVPSSPSPPPPPRV
YKPCFVCNDKSSGYHYGVSSCEGCKGFFRRSIQKNMVYTCHRDKNCI INK
VTRNRCQYCRLQKCFEVMGMSKEAVRNDNRNKKKKEVKEEGSPDSYELSPQL
EELITKVSKAHQETFPSLCQLGKYTTNSSADHRVQLDLGLWDFSELATK
CIIKIVEFAKRLPGFTGLSIADQITLLKAACLDIILMLRICTRYTPEQDTM
TFSDGLTLNRTQMHNAGFGPLTDLVFAFAGQLLPLEMDDTETGLLSAICL
ICGDRMDLEEPEKVDKLQEPLLEALRLYARRRRPSQPYMFPRLMKITDL
RGISTKGAERAITLKMEIPGMPPLIREMLENPEMFEDDSSQPGPHPNAS
SEDEVPGGQGKGLKSPA-

Accession Number

NM_000966

Molecular Mass

Approximately 55kDa.

Purity

 $\geq 90\%$, as determined by SDS-PAGE.

Biological Activity

Retinoic acid receptor gamma (RAR γ) functions as a transcription factor regulating transcription by binding to the retinoic acid responsive elements (RARE) of the target gene in a ligand-dependent manner. The recombinant RAR γ 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!!!