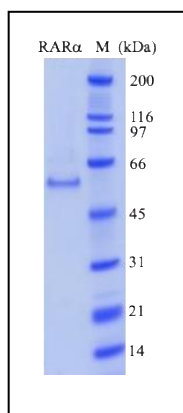


Recombinant RAR α Protein

Catalog Number	Size
AG1054-10	10ug
AG1054-25	25ug
AG1054-B	Bulk

Description

The recombinant retinoic acid receptor alpha (RAR α) was expressed in the baculovirus system and purified by the combination of Ni-affinity column and other conventional chromatographic methods. The resulted protein contains 476 amino acids with a 6His tag at the N-terminus. It migrates in SDS-PAGE with an apparent molecular mass of 55kDa.



```
MHHHHHHGRRASVHMASNSSSCPTPGGGHNLNGYPVPPYAFFFPMLGGLS
PPGALTTLQHQLPVSGYSTPSPATIIETQSSSSEEIVSPSPSPPLPRIYK
PCFVCQDKSSGYHYGVSACEGCKGFFRRSIQKNMVYTCHRDKNCIINKVT
RNRCQYCRLQKCFEVGMSKESVRNDRNKKKKEVPKPECSESYTLTPEVGE
LIEKVRKAHQETFPALCQLGKYTTNNSSEQRVSLDIDLWDFSELSTKCI
IKTVEFAKQLPGFTTLTIADQITLLKAACLDILILRICTRYTPEQDTMTF
SDGLTLNRTQMHNAGFGPLTDLVFAFANQLLPLEMDAETGLLSAICLIC
GDRQDLEQPDVRDMLQEPLLEALKVYVRKRRPSRPHMFPKMLMKITDLRS
ISAKGAERVITLKMEIPGSMPLIQEMLENSEGLDTLSGQPGGGGRDGGG
LAPPPGSCSPSLSPSSNRSSPATHSP-
```

Accession Number

NM_000964

Molecular Mass

Approximately 55kDa.

Purity

≥90%, as determined by SDS-PAGE.

Biological Activity

Retinoic acid receptor alpha (RAR α) functions as a transcription factor regulating transcription in a ligand-dependent manner. It also implicates in regulation of development, differentiation, apoptosis and other pathways. The recombinant RAR α 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!!!