www.ascentgene.com
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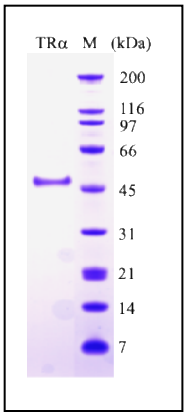
Catalog Number	Size
AG1052-10	10ug
AG1052-25	25ug
AG1052-B	Bulk

Recombinant TRα1 Protein

Description

The recombinant Thyroid hormone Receptor alpha (TRα1) was expressed in the baculovirus system and purified by the combination of Ni-affinity column and other conventional chromatographic methods. The resulted protein contains 424 amino acids with a 6His tag at the N-terminus. It migrates in SDS-PAGE with an apparent molecular mass of 50kDa.



MHHHHHHGRRASVHMEQKPSKVECGSDPEENSARSPDGKRKRKNGQCSLK
TSMSGYIPSYLDKDEQCVVCGDKATGYHYRCITCEGCKGFFRRTIQKNLH
PTYSCKYDSCCVIDKITRNQCQLCRFKKCIAVGMAMDLVLDDSKRVAKRK
LIEQNRERRRKEEMIRSLQQRPEPTPEEWDLIHIATEAHRSTNAQGSHWK
QRRKFLPDDIGQSPIVSMPDGDKVDLEAFSEFTKIITPAITRVVDFAKKL
PMFSELPCEDQIILLKGCCMEIMSLRAAVRYDPESDTLTLSGEMAVKREQ
LKNGGLGVVSDAIFELGKSLSAFNLDDTEVALLQAVLLMSTDRSGLLCVD
KIEKSQEAYLLAFEHYVNHRKHNIPHFWPKLLMKVTDLRMIGACHASRFL
HMKVECPTELFPPLFLEVFEDQEV-

Accession Number NM_003250

Molecular Mass Approximately 50kDa.

Purity ≥90%, as determined by SDS-PAGE.

Biological Activity Thyroid hormone Receptor alpha (TRα1) is a nuclear hormone receptor for triiodothyronine mediating the biological activities of thyroid hormone. The recombinant TRα1 protein is suitable 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!!!