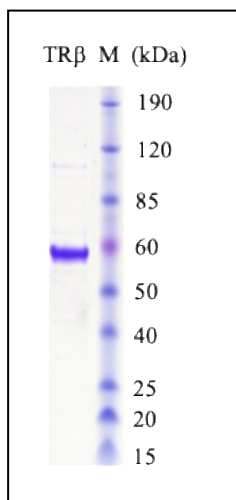


Recombinant TR β 1 Protein

Catalog Number	Size
AG1023-10	10ug
AG1023-25	25ug
AG1023-B	Bulk

Description



The recombinant TR β 1 protein was expressed in E coli and purified by the combination of glutathione Sepharose affinity column and other conventional chromatographic methods. The resulted protein contains 485 (24+461) amino acids with a GST tag at the N-terminus. It migrates in SDS-PAGE with an apparent molecular mass of 58kDa.

MGSSHHHHHSSGLVPRGSHMGSGMTPNSMTENGLTAWDKPKHCPDREHDW
 KLVGMSEACLHRKSHSERRSTLKNEQSSPHLIQTWTSSIFHLDDDDVNDQ
 SVSSAQTFQTTEEKKCKGYIPSYLDKDELVCVCGDKATGYHYRCITCEGCKG
 FFRRTIQKNLHPSYSCKYEGKCVIDKVTRNQCCQECRFKKCIYVGMATDLVL
 DDSKRLAKRKLIEENREKRRREELQKSIGHKPEPTDEEWELIKTVTEAHVA
 TNAQGSHWKQKRKFLPEDIGQAPIVNAPEGGKVDLEAFSHFTKIITPAITR
 VVDFAKKLPMFCELPCEDQIILLKGCCMEIMSLRAAVRYDPESETLTNLGE
 MAVTRGQLKNGGLGVVSDAIFDLGMSLSFNLDDTEVALLQAVLLMSSDRP
 GLACVERIEKYQDSFLLAFEHYINYRKHHVTHFWPKLLMKVTDLRMIGACH
 ASRFLHMKVECPTELFPPPLFLEVFEF-

Accession Number

NM_000461

Molecular Mass

Approximately 58kDa.

Purity

≥90%, as determined by SDS-PAGE.

Biological Activity

Thyroid hormone receptor beta (TR β) is a nuclear hormone receptor for triiodothyronine and shows to mediate the activities of thyroid hormone. Recombinant TR β 1 protein can be used for the studies of in vitro transcription, protein-ligand or protein-protein 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!!!