



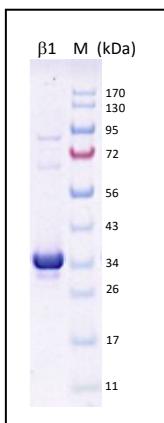
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Recombinant TR β 1-LBD (E coli)

Catalog Number	Size
AG243-10	10ug
AG243-25	25ug
AG243-B	Bulk

Description

The ligand-binding domain (LBD/202-461) of the thyroid hormone receptor alpha 1 (TR β 1) was expressed in the E coli system and purified by the combination of Ni-affinity column and other conventional chromatographic methods. The resulted protein contains 272 amino acids with a 6His tag at the N-terminus. It migrates in SDS-PAGE with an apparent molecular mass of 34kDa.



MHHHHHHGGG EFEELQKSIG HKPEPTDEEW ELIKTVTEAH
VATNAQGSHW KQKRKFLPED IGGQAPIVNAP EGGKVDLEAF
SHFTKIIITPA ITRVVDFAKK LPMFCELPCE DQIILLKGCC
MEIMSLRAAV RYDPESETLT LNGEMAVTRG QLKNGGLGVV
SDAIFDLGMS LSSFNLDDE VALLQAVLLM SSDRPGLAGCV
ERIEKYQDSF LLAFEHYINY RKHHVTHFWP KLLMKVTDLR
MIGACHASRF LHMKVECPTE LFPPLFLEVF ED*

Source

E coli

Molecular Mass

Approximately 34kDa.

Purity

≥90%, as determined by SDS-PAGE.

Biological Activity

Thyroid hormone receptor beta 1 (TR β 1) is a member of nuclear hormone receptor family and functions as a ligand-activated transcription factor. The recombinant TR β 1-LBD protein is suitable for the studies of transcription assays, protein-protein/protein-ligand interaction 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!!!