



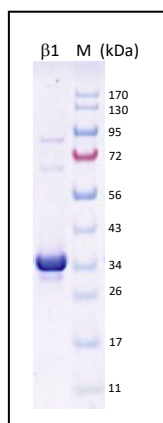
AscentGene, Inc.
900 Clopper Road
Suite 130
Gaithersburg, MD 20878

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.



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MHHHHHHGGG EFEELQKSIG HKPEPTDEEW ELIKTVTEAH
VATNAQGSHW KQKRKFLPED IGQAPIVNAP EGGKVDLEAF
SHFTKIITPA ITRVVDFAKK LPMFCELPCE DQIILLKGCC
MEIMSLRAAV RYDPESETLT LNGEMAVTRG QLKNGGLGVV
SDAIFDLGMS LSSFNLDDTE VALLQAVLLM SDRPGLACV
ERIEKYQDSF LLAFEHYINY RKHHVTHFWP KLLMKVTDLR
MIGACHASRF LHMKVECPTE LFPPLFLEVF ED*
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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!!!