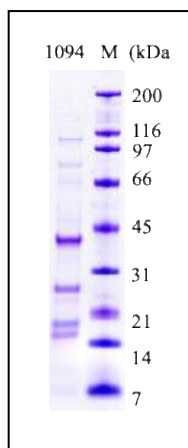


Recombinant VDR-LBD (118-427)

Catalog Number	Size
AG1094-10	10ug
AG1094-25	25ug
AG1094-B	Bulk

Description



The ligand binding domain of human vitamin D receptor (VDR-LBD) 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 331 amino acids with an Flag tag at the N-terminus. It migrates in SDS-PAGE with an apparent molecular mass of 40kDa.

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MGSSHHHHHHSSGLVPRGSHMDSLRLPKLSEEQQRIIAILLDAH HKTYDPT
YSDFCQFRPPVRVNDGGGSHPSRPNRHTPSFSGDSSSSCS DHCITSSDM
MDSSSFNLDLSEEDSDDPSTLELSQLSMLPHLADLVSYSIQKVIGFAK
MIPGFRDLTSEDQIVLLKSSAIEVIMLRSNESFTMDMSWTCGNQDYKYR
VSDVTKAGHSLELIEPLIKFQVGLKKLNLHEEEHVLLMAICIVSPDRPGV
QDAALIEAIQDRLSNTLQTYIRCRHPPPGSHLLYAKMIQKLADLRSLNEE
HSKQYRCLSFQPECSMKLTPLVLEVFGEIS-
```

Accession Number

NM_000376

Molecular Mass

Approximately 40kDa.

Purity

≥90%, as determined by SDS-PAGE.

Biological Activity

The VDR protein is a member of nuclear hormone receptor family and plays a critical role in mineral metabolism, immune response and cancer. The recombinant VDR-LBD 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!!!