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Recombinant VDR Protein

Catalog Number	Size
AG1084-10	10ug
AG1084-25	25ug
AG1084-B	Bulk

Description

The human vitamin D receptor (VDR) was expressed in the baculovirus system and purified by the combination of Ni-affinity column and other conventional chromatographic methods. The resulted protein contains 442 amino acids with a 6His tag at the N-terminus. It migrates in SDS-PAGE with an apparent molecular mass of 50kDa.

NA

MHHHHHHGRRASVLEMEAMAASTSLPDPGDFDRNVPRICGVCGDRATGFH
FNAMTCEGCKGFFRRSMKRKALFTCPFNGDCRITKDNRRHCQACRLKRCV
DIGMMKEFILTDEEVQRKREMILKRKEEEALKDSLRPKLSEEQQRIIAIL
LDAHHKTYDPTYSDFCQFRPPVRVNDGGGSHPSRPNSRHTPSFSGDSSSS
CSDHCITSSDMMDSSSFSNLDLSEEDSDDPSVTLELSQLSMLPHLADLVS
YSIQKVIGFAKMIPGFRDLTSEDQIVLLKSSAIEVIMLRSNESFTMDDMS
WTCGNQDYKYRVSDVTKAGHSLELIEPLIKFQVGLKKLNLHEEEHVLLMA
ICIVSPDRPGVQDAALIEAIQDRLSNTLQTYIRCRHPPPGSHLLYAKMIQ
KLADLRSLNEEHSKQYRCLSFQPECSMKLTPLVLEVFGNEIS-

Accession Number NM_000376

Molecular Mass Approximately 50kDa.

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

Biological Activity The VDR protein is a member of nuclear hormone receptor family and functions as a transcription factor mediating the gene expression involved in mineral metabolism, immune response and cancer. The recombinant VDR 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 2-8ºC for one month or at -20ºC to -70ºC for three months without detectable loss of activity. ***(Avoid repeated freeze-thaw cycle)***

FOR RESEARCH USE ONLY!!!