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Product datasheet for PH309262

Vitamin D Receptor (VDR) (NM_000376) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	VDR MS Standard C13 and N15-labeled recombinant protein (NP_000367)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC209262
Predicted MW:	48.3 kDa
Protein Sequence:	>RC209262 protein sequence Red=Cloning site Green=Tags(s) MEAMAASTSLPDPGDFDRNVPRICGVCGDRATGFHFNAMTCEGCKGFFRRSMKRKALFTCPFNGDCRITK DNRRHCQACRLKRCVDIGMMKEFILTDEEVQRKREMILKRKEEEALKDSLRPKLSEEQQRIIAILLDAHH KTYDPTYSDFCQFRPPVRVNDGGGSHPSRPNSRHTPSFSGDSSSSCSDHCITSSDMMDSSSFSNLDLSEE DSDDPSVTLELSQLSMLPHLADLVSYSIQKVIGFAKMIPGFRDLTSEDQIVLLKSSAIEVIMLRSNESFT MDDMSWTCGNQDYKYRVSDVTKAGHSLELIEPLIKFQVGLKKLNLHEEEHVLLMAICIVSPDRPGVQDAA LIEAIQDRLSNTLQTYIRCRHPPPGSHLLYAKMIQKLADLRSLNEEHSKQYRCLSFQPECSMKLTPLVLE VFGNEIS TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_000367
RefSeq Size:	4669
RefSeq ORF:	1281
Synonyms:	NR1I1; PPP1R163

View online »

Locus ID: 7421

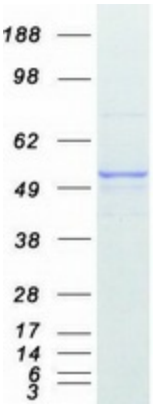
UniProt ID: P11473, F1D8P8

Cytogenetics: 12q13.11

Summary: This gene encodes vitamin D3 receptor, which is a member of the nuclear hormone receptor superfamily of ligand-inducible transcription factors. This receptor also functions as a receptor for the secondary bile acid, lithocholic acid. Downstream targets of vitamin D3 receptor are principally involved in mineral metabolism, though this receptor regulates a variety of other metabolic pathways, such as those involved in immune response and cancer. Mutations in this gene are associated with type II vitamin D-resistant rickets. A single nucleotide polymorphism in the initiation codon results in an alternate translation start site three codons downstream. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. A recent study provided evidence for translational readthrough in this gene, and expression of an additional C-terminally extended isoform via the use of an alternative in-frame translation termination codon. [provided by RefSeq, Jun 2018]

Protein Families: Druggable Genome, Nuclear Hormone Receptor, Transcription Factors

Product images:



Coomassie blue staining of purified VDR protein (Cat# [TP309262]). The protein was produced from HEK293T cells transfected with VDR cDNA clone (Cat# [RC209262]) using MegaTran 2.0 (Cat# [TT210002]).