

Recombinant Human VDR, GST-tagged

Cat. No. VDR-118H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Human GST-tagged Vitamin D receptor ligand-binding domain (VDR-LBD) consists of a 218 a.a. GST tag, a 13 a.a. flexible linker and a 322 a.a. VDR-LBD, Acc# NP_000367.1, amino acids 105-427, was produced in insect cells infected with a recombinant baculovirus.

Species Human

Source Sf9 Cells

Form 20 mM Na-P pH 8.0, 40 mM KCl, 20 mM Na₂MoO₄, 7 mM reduced glutathione, 15% glycerol.

Purity >90%

Applications Ligand binding and coactivator peptide recruitment assays.

Storage Immediately store at -80°C. Avoid freeze-thaw cycles. While working, please keep sample on ice.

GENE INFORMATION

Gene Name VDR vitamin D (1,25- dihydroxyvitamin D₃) receptor [Homo sapiens]

Official Symbol VDR

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Synonyms	VDR; vitamin D (1,25- dihydroxyvitamin D3) receptor; vitamin D3 receptor; NR1H1; 1,25-dihydroxyvitamin D3 receptor; vitamin D nuclear receptor variant 1; nuclear receptor subfamily 1 group I member 1;
Gene ID	7421
mRNA Refseq	NM_000376
Protein Refseq	NP_000367
MIM	601769
UniProt ID	P11473
Chromosome Location	12q12-q14
Pathway	Direct p53 effectors, organism-specific biosystem; Endocrine and other factor-regulated calcium reabsorption, organism-specific biosystem; Endocrine and other factor-regulated calcium reabsorption, conserved biosystem; Gene Expression, organism-specific biosystem; Generic Transcription Pathway, organism-specific biosystem; Mineral absorption, organism-specific biosystem; Mineral absorption, conserved biosystem;
Function	DNA binding; metal ion binding; protein binding; receptor activity; retinoid X receptor binding; sequence-specific DNA binding; contributes_to sequence-specific DNA binding transcription factor activity; steroid hormone receptor activity; contributes_to vitamin D response element binding; vitamin D3 receptor activity; zinc ion binding;

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