

Vitamin D3 receptor (VDR) Recombinant Protein | VDR recombinant protein

Recombinant Chicken Vitamin D3 receptor (VDR)

CATALOG #
AAA115621

HOST
E Coli or Yeast or Baculovirus or Mammalian Cell

PRODUCT SYNONYMS

Vitamin D3 receptor (VDR); Recombinant Chicken Vitamin D3 receptor (VDR); VDR recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	1-451aa; Full Length
Sequence	MSELRGSWDE QQQSMAYLPD ADMDTVAAST SLPDPAGDFD RNVPRICGVC GDRATGFHFN AMTCEGCKGF FRRSMKRKAM FTCPFNGDCK ITKDNRRHCQ ACRLKRCVDI GMMKEFILT EEVQRKREMI LKRKEEEALK ESLKPKLSEE QQKVIDTLLE AHKTFDTTY SDFNKFRPPV RSKFSSRMAT HSSSVSQDF SSEDNDVFG SDAFAAFPEP MEPQMFSNLD LSEESDESPS MNIELPHLPM LPHLADLVSY SIQKVIGFAK MIPGFRDLTA EDQIALLKSS AIEVIMLRN QSFTMEDMSW TCGSNDFKYK VSDVTQAGHS MDLLEPLVKF QVGLKKLNH EEEHVLLMAI CILSPDRPGV QDTSLVESIQ DRLSDILQTY IRCRHPPPGS RLLYAKMIQK LADLRSLNEE HSKQYRCLSF QPEHSMQLTP LVLEVFNEI S
Species	Chicken
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.

ADDITIONAL INFORMATION

Related Product Information for VDR recombinant protein

This gene encodes the nuclear hormone receptor for vitamin D3. This receptor also functions as a receptor for the secondary bile acid lithocholic acid. The receptor belongs to the family of trans-acting transcriptional regulatory factors and shows sequence similarity to the steroid and thyroid hormone receptors. Downstream targets of this nuclear hormone receptor are principally involved in mineral metabolism though the receptor regulates a variety of other metabolic pathways, such as those involved in the 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. Alternative splicing results in multiple transcript variants encoding the same protein.

NCBI AND UNIPROT INFORMATION

NCBI GI #	46048777
NCBI GeneID	395988
NCBI Accession #	NP_990429.1
NCBI GenBank Nucleotide #	NM_205098.1
UniProt Accession #	O42392
Molecular Weight	51,213 Da
NCBI Official Full Name	vitamin D3 receptor

NCBI Official Synonym Full Names	vitamin D (1,25- dihydroxyvitamin D3) receptor
NCBI Official Symbol	VDR
NCBI Protein Information	vitamin D3 receptor
UniProt Protein Name	Vitamin D3 receptor
UniProt Gene Name	VDR
UniProt Synonym Gene Names	NR1I1; VDR

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/vdr-recombinant-protein-e-coli/115621>