

# Recombinant Chicken VDR Protein Product Manual

## 1. Product Basic Information

**Product No.:** REP08631

**Protein Name:** Vitamin D Receptor (VDR)

**Aliases:** NR1H1; PPP1R163; vitamin D receptor; vitamin D3 receptor; 1,25-dihydroxyvitamin D3 receptor; vitamin D (1,25- dihydroxyvitamin D3) receptor

**UniProt ID:** P11473

**UniProt Link:** <https://www.uniprot.org/uniprotkb/P11473/entry>

**Species Source:** Gallus gallus (Chicken)

**Expression System:** E.coli

**Protein Length:** Full Length (1-451aa)

**Molecular Weight:** 58.2 kDa

**Protein Tag:** C-terminal 6xHis-tagged

## 2. Amino Acid Sequence (1-451aa)

MSELRGSWDEQQQSMAYLPDADMDTVAASTSLPDPAGDFDRNVPRICGVCGDRA  
TGFHFNAMTCEGCKGFFRRSMKRKAMFTCPFNGDCKITKDNRRHCQACRLKRCV  
DIGMMKEFILTDEEVQRKREMILKRKEEEALKEKPKLSEEQQKVIDTLLEAHHKTF  
DTTYSDFNFKFRPPVRSKFSSRMATHSSSVVSQDFSSSDSNDVFGSDAFAAFPEPM  
EPQMFSNLDLSEESDESPSMNIELPHLPMLPHLADLVSYISQKVIGFAKMIPGFRDLT  
AEDQIALLKSSAIEVIMLRSNQSFTMEDMSWTCGSNDFKYKVSVDVTQAGHSMDLLE  
PLVKFQVGLKKNLHEEEHVLLMAICILSPDRPGVQDTSLVESIQDRLSDILQTYIRCR  
HPPPGSRLLYAKMIQKLADLRSLNEEHKQYRCLSFQPEHSMQLTPLVLEVFGNEIS

## 3. Storage Buffer

**Liquid Delivery Form:** Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

**Lyophilized Powder Delivery Form:** Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.



## **4. Storage Conditions**

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

## **5. Product Description**

This product is a recombinant Chicken VDR full length protein (1-451aa) expressed in E.coli. The protein is with 6xHis tag at the C-terminus, which facilitates protein purification, detection and identification. VDR, also known as NR111 or PPP1R163 or vitamin D receptor, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

## **6. Notes**

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.