



# Biotinylated Recombinant Human GPRC5D VLP (DAG-WT1243)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

|                         |                                                                                                                              |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------|
| <b>Species</b>          | Human                                                                                                                        |
| <b>Purity</b>           | > 95% as determined by HPLC                                                                                                  |
| <b>Conjugate</b>        | N/A                                                                                                                          |
| <b>Applications</b>     | ELISA                                                                                                                        |
| <b>Molecular Weight</b> | 39.6 kDa                                                                                                                     |
| <b>Reconstitution</b>   | Reconstituting to a concentration more than 100 ug/ml is recommended. Dissolve the lyophilized protein in distilled water.   |
| <b>Format</b>           | Lyophilized                                                                                                                  |
| <b>Size</b>             | 100 µL                                                                                                                       |
| <b>Buffer</b>           | Lyophilized from 0.22um filtered solution in PBS, pH 7.4. Normally 8% trehalose is added as protectant before lyophilization |
| <b>Preservative</b>     | None                                                                                                                         |
| <b>Storage</b>          | Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week                                                          |

## BACKGROUND

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| <b>Introduction</b> | G protein–coupled receptor, class C, group 5, member D (GPRC5D) is a bona fide target for rationally designed immunotherapeutic strategies owing to its preferential expression on plasma cells, with preclinical studies showing activity in a BCMA antigen escape model. <sup>5</sup> GPRC5D |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

expression on CD138 cells is independent of BCMA expression. Normal tissue expression is restricted to skin (hair follicles and eccrine glands) and the testis (seminiferous tubules), thus the potential for undesired on target/off-tumor effects is small. Currently, multiple innovative GPRC5D-targeted treatment modalities, including cell-based and antibody-based, are under active clinical development.

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| <b>Keywords</b> | GPRC5D; G protein-coupled receptor class C group 5 member D |
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## GENE INFORMATION

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| <b>UniProt ID</b> | Q9NZD1-1 |
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