

**PRODUCT INFORMATION**

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|---|---|
| <b>Tag</b>                              | C-Flag Tag  |
| <b>Target</b>                           | V1AR  |
| <b>Synonyms</b>                         | AVPR V1a, AVPR1, V1aR   |
| <b>Description</b>                      | Human V1AR full length protein-synthetic nanodisc   |
| <b>Delivery</b>                         | 6~8weeks  |
| <b>Uniprot ID</b>                       | P37288  |
| <b>Expression Host</b>                  | HEK293  |
| <b>Protein Families</b>                 | GPCR,Transmembrane,Druggable Genome,  |
| <b>Protein Pathways</b>                 | GPCRDB Class A Rhodopsin-like,Peptide GPCRs,  |
| <b>Molecular Weight</b>                 | The human full length V1AR protein has a MW of 46.8kDa  |
| <b>Formulation &amp; Reconstitution</b> | Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions. Do not use solvents with a pH below 6.5 or those containing high concentrations of divalent metal ions (greater than 5 mM) in subsequent experiments.  |
| <b>Storage &amp; Shipping</b>           | Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.   |
| <b>Background</b>                       | The protein encoded by this gene acts as receptor for arginine vasopressin. This receptor belongs to the subfamily of G-protein coupled receptors which includes AVPR1B, V2R and OXT receptors. Its activity is mediated by G proteins which stimulate a phosphatidylinositol-calcium second messenger system. The receptor mediates cell contraction and proliferation, platelet aggregation, release of coagulation factor and glycogenolysis. [provided by RefSeq, Jul 2008] |
| <b>Usage</b>                            | Research use only   |
| <b>Conjugate</b>                        | Unconjugated  |

