

## Recombinant Human AVPR1A protein, GST-tagged

**Cat. No.** AVPR1A-1045H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human AVPR1A partial ORF ( NP_000697, 1 a.a. - 52 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Source</b>           | Wheat Germ                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Description</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>Molecular Mass</b>   | 31.46 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>AA Sequence</b>      | MRLSAGPDAGPSGNSSPWWPLATGAGNTSREAEALGEGNGPPRDVRNEELAK                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Notes</b>            | Best use within three months from the date of receipt of this protein.                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Storage</b>          | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.                                                                                                                                                                                                                                                                                                                                                                                                        |

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**Storage Buffer** 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

**Gene Name** [AVPR1A arginine vasopressin receptor 1A \[ Homo sapiens \]](#)

**Official Symbol** [AVPR1A](#)

**Synonyms**

AVPR1A; arginine vasopressin receptor 1A; AVPR1; vasopressin V1a receptor; V1aR; AVPR V1a; V1a vasopressin receptor; antidiuretic hormone receptor 1A; SCCL vasopressin subtype 1a receptor; V1-vascular vasopressin receptor AVPR1A; vascular/hepatic-type arginine vasopressin receptor;

**Gene ID** [552](#)

**mRNA Refseq** [NM\\_000706](#)

**Protein Refseq** [NP\\_000697](#)

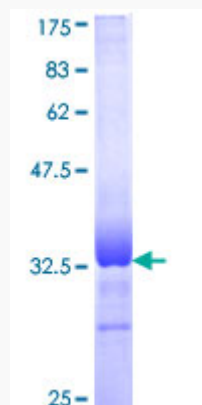
**MIM** [600821](#)

**UniProt ID** [P37288](#)

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12.5% SDS-PAGE Stained with Coomassie Blue.

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