

Recombinant Human AVPR1B protein

Cat. No. AVPR1B-1046H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human AVPR1B full-length ORF (AAI56079.1) recombinant protein without tag.
Species	Human
Source	Wheat Germ
Description	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 AVPR1A, V2R and OXT receptors. Its activity is mediated by G proteins which stimulate a phosphatidylinositol-calcium second messenger system. The receptor is primarily located in the anterior pituitary, where it stimulates ACTH release. It is expressed at high levels in ACTH-secreting pituitary adenomas as well as in bronchial carcinoids responsible for the ectopic ACTH syndrome. A spliced antisense transcript of this gene has been reported but its function is not known. [provided by RefSeq, Jul 2008]
Form	Liquid
Molecular Mass	46.7 kDa
AA Sequence	MDSGPLWDANPTPRGTL SAPNATTPWLGRDEELAKVEIGVLATVLVLATGGNLAVLL TLGQLGRKRSRMHLFVLHLALTDLAVALFQVLPQLLWDITYRFQGPDLLCRAVKYLQ VLSMFASTYMLLAMTLDRLAVCHPLRSLQQPGQSTYLLIAAPWLLAAIFSLPQVFIF SLREVIQGGSVLDCWADFGFPWGPRLAYLTWTTLAIFVLPVTMLTACYSLICHEICKNL KVKVTQAWRVGGGGWRTWDRPSPSTLAATTRGLPSRVSSINTISRAKIRTVKMTFVIV

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LAYIACWAPFFSVQMWSVWDKNAPDEDSTNVAFTISMLLGNLNSCCNPWIYMGFNS
HLLPRPLRHLACCGGPQPRMRRRLSDGSLSSRHTLLTRSSCPATLSLSLSLTLSGR
PRPEESPRDLELADGEGTAETIIF

Applications Antibody Production; Functional Study; Compound Screening

Usage Heating may cause protein aggregation. Please do not heat this product before electrophoresis.

Notes Best use within three months from the date of receipt of this protein.

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 25 mM Tris-HCl of pH8.0 containing 2% glycerol.

GENE INFORMATION

Gene Name AVPR1B arginine vasopressin receptor 1B [Homo sapiens]

Official Symbol AVPR1B

Synonyms AVPR1B; arginine vasopressin receptor 1B; AVPR3; vasopressin V1b receptor; V1bR; AVPR V3; AVPR V1b; vasopressin V3 receptor; arginine vasopressin receptor 3; antidiuretic hormone receptor 1B; pituitary vasopressin receptor 3;

Gene ID 553

mRNA Refseq NM_000707

Protein Refseq NP_000698

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MIM	600264
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UniProt ID	P47901
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