

Product Information

MemDX™ Membrane Protein Human AVPR1B (Arginine vasopressin receptor 1B) Full

Length

Cat. No.: **MPC0037K**

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

This product is a 46.9 kDa Human AVPR1B membrane protein expressed in HEK293. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

AVPR1B

Protein Length

Full length

Protein Class

GPCR

Molecular Weight

46.9 kDa

TMD

7

Sequence

MDSGPLWDANPTPRGTL SAPNATTPWLGRDEELAKVEIGVLATVVLATG
GNLAVLLTLGQLGRKRSRMHLFVLHLALTDLAVALFQVLPQLLWDITYRF
QGPDLLCRAVKYLQVLSMFASTYMLLAMTLDRYLAVCHPLRSLQQPGQST
YLLIAAPWLLAAIFSLPQVFIFSLREVIQGGSGVLDCWADFGFPWGPAYL
TWTTLAIFVLPVTMLTACYSLICHEICKNLKVKTQAWRVGGGGWRTWDRP
SPSTLAATTRGLPSRVSSINTISRAKIRTVKMTFVIVLAYIACWAPFFSV
QMWSVWDKNAPDEDSTNVAFTISMLLGNLNSCCNPWIYMGFNHLLPRPL
RHLACCGGPQPRMRRRLSDGSLSSRHTTLLTRSSCPATLSLSLSLTLSGR
PRPEESPRDLELADGEGTAETIIF

Product Description

Expression Systems

HEK293

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

AVPR1B

Full Name

Arginine vasopressin receptor 1B

Introduction

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.

Alternative Names

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

Gene ID

[553](#)

UniProt ID

[P47901](#)