

Datasheet for ABIN7545012
AVPR1B Protein (AA 1-424) (His tag)



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Overview

Quantity:	1 mg
Target:	AVPR1B
Protein Characteristics:	AA 1-424
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This AVPR1B protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant AVPR1B Protein expressed in mammalian cells.
Sequence:	<p>MDSGPLWDAN PTPRGTLSAP NATTPWLGRD EELAKVEIGV LATVLVLTATG GNLAVLLTLG QLGRKRSRMH LFLVHLALTD LAVALFQVLP QLLWDITYRF QGPDLLCRAV KYLQVLSMFA STYMLLAMTL DRYLAVCHPL RSLQQPGQST YLLIAPWLL AAIFSLPQVF IFSLREVIQG SGVLDCWADF GFPWGPAYL TWTTLAIFVL PVTMLTACYS LICHEICKNL KVKTQAWRVG GGWRTWDRP SPSTLAATTR GLPSRVSSIN TISRAKIRTV KMTFVIVLAY IACWAPFFSV QMWSVWDKNA PDEDSTNVAF TISMLLGNLN SCCNPWIYMG FNSHLLPRPL RHLACCGGPQ PRMRRRLSDG SLSSRHHTLL TRSSCPATLS LSLSLTSLGR PRPEESPRDL ELADGEGTAE TIIF</p> <p>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</p>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

Product Details

Characteristics:

Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:

> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade:

custom-made

Target Details

Target:

AVPR1B

Alternative Name:

AVPR1B ([AVPR1B Products](#))

Background:

Vasopressin V1b receptor (V1bR) (AVPR V1b) (AVPR V3) (Antidiuretic hormone receptor 1b) (Vasopressin V3 receptor),FUNCTION: Receptor for arginine vasopressin. The activity of this receptor is mediated by G proteins which activate a phosphatidyl-inositol-calcium second messenger system., FUNCTION: (Microbial infection) During SARS coronavirus-2/SARS-CoV-2 infection, may recognize and internalize the complex formed by AVP/Arg-vasopressin, SARS-CoV-2 spike protein and secreted ACE2 through DNM2/dynamin 2-dependent endocytosis. {ECO:0000269|PubMed:33713620}.

Molecular Weight:

47.0 kDa

UniProt:

[P47901](#)

Pathways:

[Regulation of Systemic Arterial Blood Pressure by Hormones](#)

Application Details

Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months
