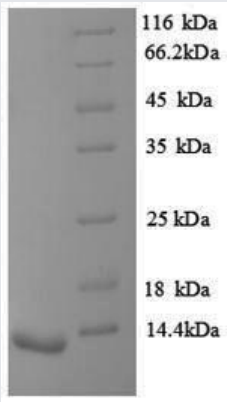
Vasopressin V1b Receptor (AVPR1B) Rat Recombinant Protein

PRODUCT OVERVIEW

Product Name	Vasopressin V1b receptor (Avpr1b), Recombinant Protein
Full Product Name	Recombinant Rat Vasopressin V1b receptor
Product Gene Name	Avpr1b recombinant protein
Product Synonym Names	AVPR V1b; AVPR V3; Antidiuretic hormone receptor 1b; Vasopressin V3 receptor
Sequence	NSRLLPRSLS HHACCTGSKP QVHRQLSTSS LTSRRTTLLT HACGSPTLRL SLNLSLRAKP RPAGSLKDLE QVDGEATMET SIF
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Liquid containing glycerol
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.
Molecular Weight	13 kDa
Sequence Positions	343-425aa; Partial
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for P48974
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Avpr1b recombinant protein	Receptor for arginine vasopressin. The activity of this receptor is mediated by G proteins which activate a phosphatidyl-inositol-calcium second messenger system.
Product References and Citations for Avpr1b recombinant protein	Molecular cloning and characterization of rat V1b vasopressin receptor evidence for its expression in extra-pituitary tissues.Saito M., Sugimoto T., Tahara A., Kawashima H.Biochem. Biophys. Res. Commun. 212:751-757(1995) Extrapituitary expression of the rat V1b vasopressin receptor gene.Lolait S.J., O'Carroll A.-M., Mahan L.C., Felder C.C., Button D.C., Young W.S. III, Mezey E., Brownstein M.J.Proc. Natl. Acad. Sci. U.S.A. 92:6783-6787(1995)
Other Notes	Small volumes of Avpr1b recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for Avpr1b purchase	MBS1265499 is a recombinant protein targeting Avpr1b. Also known as Recombinant Rat Vasopressin V1b receptor. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.



SDS-PAGE of Avpr1b recombinant protein

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Avpr1b. It may not necessarily be applicable to this product.

NCBI GI #	1351393
NCBI GeneID	29462
NCBI Accession #	P48974.1
UniProt Primary Accession #	P48974
UniProt Related Accession #	P48974
NCBI Official Full Name	Vasopressin V1b receptor
NCBI Official Synonym Full Names	arginine vasopressin receptor 1B
NCBI Official Symbol	Avpr1b
UniProt Protein Name	Vasopressin V1b receptor
UniProt Synonym Protein Names	AVPR V1b; AVPR V3; Antidiuretic hormone receptor 1b; Vasopressin V3 receptor
Protein Family	Vasopressin V1b receptor
UniProt Gene Name	Avpr1b
UniProt Synonym Gene Names	V1bR
UniProt Entry Name	V1BR_RAT
NCBI Protein Information	vasopressin V1b receptor
NCBI Summary for Avpr1b	may play a role in the regulation of cerebrospinal fluid water content [RGD, Feb 2006]

UniProt Comments for Avpr1b	AVPR1B: Receptor for arginine vasopressin. The activity of this receptor is mediated by G proteins which activate a phosphatidyl- inositol-calcium second messenger system. Belongs to the G-protein coupled receptor 1 family. Vasopressin/oxytocin receptor subfamily. Protein type: Receptor, GPCR; Membrane protein, multi-pass; Membrane protein, integral; GPCR, family 1 Cellular Component: cytosol; integral to membrane; integral to plasma membrane; plasma membrane Molecular Function: G-protein coupled receptor activity; peptide hormone binding; protein homodimerization activity; vasopressin receptor activity Biological Process: cellular response to hormone stimulus; elevation of cytosolic calcium ion concentration; G-protein coupled receptor protein signaling pathway; G-protein signaling, coupled to cAMP nucleotide second messenger; hyperosmotic salinity response; positive regulation of cellular pH reduction; positive regulation of glutamate secretion; positive regulation of vasoconstriction; regulation of systemic arterial blood pressure by vasopressin
Research Articles on Avpr1b	**1.** central V1bR antagonism modulates aspects of maternal care but not of maternal aggression or maternal motivation in lactating rats.
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