Vasopressin-Neurophysin 2 (AVP) Balaenoptera Physalus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Vasopressin-neurophysin 2 (AVP), Recombinant Protein
Full Product Name	Recombinant Balaenoptera physalus Vasopressin-neurophysin 2 (AVP)
Product Gene Name	AVP recombinant protein
Sequence	AMSDLELRQC LPCGPGGKGR CFGPSICCGD ELGCFMGTAE ALRCQEENYL PSPCQSGQKP CGSGGRCAAA GICCNDESCV TEPECREGAS FPRRA
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	11,290 Da
Sequence Positions	13-107, Full length protein
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 P01184
Species	Balaenoptera physalus (Finback whale) (Common rorqual)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for AVP recombinant protein	MBS1261578 is a recombinant protein targeting AVP. Also known as Recombinant Balaenoptera physalus Vasopressin-neurophysin 2 (AVP). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of AVP 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.

ADDITIONAL DETAILS

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

NCBI GI #	128078
NCBI Accession #	P01184.1
UniProt Primary Accession #	P01184
NCBI Official Full Name	Vasopressin-neurophysin 2
UniProt Protein Name	Vasopressin-neurophysin 2
UniProt Synonym Protein Names	Arg-vasopressinAlternative name(s):Arginine-vasopressin
Protein Family	Neurophysin

UniProt Gene Name	AVP
UniProt Comments for AVP	Neurophysin 2 specifically binds vasopressin.Vasopressin has a direct antidiuretic action on the kidney, it also causes vasoconstriction of the peripheral vessels. Acts by binding to vasopressin receptors (V1bR/AVPR1B, V1aR/AVPR1A, and V2R/AVPR2) ().
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