

Datasheet for ABIN7562904
ENPEP Protein (AA 1-945) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	ENPEP
Protein Characteristics:	AA 1-945
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ENPEP protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Enpep Protein expressed in mammalian cells.
Sequence:	MNFAEEEPSK KYCIKGKHVA IICGVVAVG LIVGLSVGLT RSCEQDTTPA PSQPPPEAST ALPPQDQNV C PDSEDESGEW KNFRLPDFIN PVHYDLEVKA LMEEDRYTGI VTISVNLSKP TRDLWLHIRE TKITKLPELR RPSGEQVPIR RCFEYKKQEY VVIQAAEDLA ATSGDSVYRL TMEFKGWLNG SLVGIFYKTTY MEDGQIRISA ATDHEPTDAR KSFPCFDEPN KKSTYSISII HPKEYSALSN MPEEKSEMVD DNWKKTTTFVK SVPMSTYLVC FAVHRFTAIE RKSRSKGKPLK VYVQPNQKET AEYAANITQA VFDYFEDYFA MEYALPKLDK IAIPDFGTGA MENWGLVTYR ETNLLYDPLL SASSNQQRVA SVVAHEL VHQ WFGNTVTMDW WDDLWLN EGF ASFFEFLGVN HAEKDWQMLS QVLLEDVFPV QEDDSL MSSH PVVTVSTPA EITSVFDGIS YSKGASILRM LQDWITPEKF QKGCQIYLKK FQFANAKTSD FWDSLQEASN LPVKEVMDTW TSQMGYPVVT VSGRQNITQK RFLDSKADP SQPPSELGYT WNIPVRWADN DNSRITVYNR LDKGGITLNA NLSGDAFLKI NPDHIGFYRV NYEGGTWDWI AEALSSNHTR FSAADRSSF I DDAFALARAQ

LLNYKIALNL TMYLKSEEDF LPWERVERSSV SYIISMFEEDD RELYPMIETY FQGQVKPVAD
LLGWQDTGSH ITKLLRASIL GFACKMGDRE ALGNASQLFD SWLKGSASIP VNLRLLVYRY
GMQNSGNEAA WNYTLEQYQK TSLAQEKEKL LYGLASVKDV KLLARYLEML KDPNIIKTQD
VFTVIRYISY NSYGKTMAWN WIQLNWDYLV SRFTINDRYL GRIVTIAEPF NTELQLWQMQ
SFFAKYPNAG AGAKPREQVL ETVKNNIEWL NVNRQSIREW FASLP **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.**

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.
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Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

Target Details

Target:	ENPEP
Alternative Name:	Enpep (ENPEP Products)
Background:	Glutamyl aminopeptidase (EAP) (EC 3.4.11.7) (Aminopeptidase A) (AP-A) (BP-1/6C3 antigen) (CD antigen CD249),FUNCTION: Regulates central hypertension through its calcium-modulated preference to cleave N-terminal acidic residues from peptides such as angiotensin II. {ECO:0000250 UniProtKB:Q07075}.
Molecular Weight:	108.0 kDa

Target Details

UniProt:	P16406
Pathways:	Peptide Hormone Metabolism, Regulation of Systemic Arterial Blood Pressure by Hormones

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. 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