

Recombinant Human ENPEP Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ENPEP-4601H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ENPEP MS Standard C13 and N15-labeled recombinant protein (NP_001968) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The ENPEP gene encodes glutamyl aminopeptidase, a type II integral membrane protein with an extracellular zinc-binding domain. This protein can upregulate blood pressure by cleaving the N-terminal aspartate from angiotensin II, and can regulate blood vessel formation and enhance tumorigenesis in some tissues. Along with ANPEP and DPP4, ENPEP was found to be a candidate co-receptor for the coronavirus SARS-CoV-2, which causes COVID-19.
Molecular Mass	109.3 kDa
AA Sequence	MNFAEREGSKRYCIQTKHVAILCAVVVGVLIVGLAVGLTRSCDSSGDGGPGTAPAP SHLPSSSTASPSGPPAQDQDICPASEDESGQWKNFRLPDFVNPVHYDLHVKPLLEED TYTGTVSISINLSAPTRYLWLHLRETRITRLPELKRPSGDQVQVRRCFEYKKQEYVVV EAEELTPSSGDGLYLLTMEFAGWLNGSLVGFYRTTYTENGRVKSIVATDHEPTDA RKSFPFCFDEPNKKATYTISITHPKEYGALSNNMPVAKEESVDDKWTRTTFEKSVPMS YLVCFVHQFDSVKRISNSGKPLTIYVQPEQKHTAEYAANITKSVFDYFEEYFAMNYS LPKLDKIAIPDFGTGAMENWGLITYRETNLLYDPKESASSNQQRVATVVAHELHVHQW

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FGNIVTMDWWEDLWLNFGFASFFEFGLGVNHAETDWQMRDQMLLEDVLPVQEDDS
 LMSSHPIIVTVTTPDEITSVFDGISYSKGGSSILRMLEDWIKPENFQKGCQMYLEKYQFK
 NAKTSDFWAALEEASRLPVKEVMDTWTRQMGYPVLNVNGVKINITQKRFLLDPRAN
 PSQPPSDLGYTNIPVKWTEDNITSSVLNFRSEKEGITLNSSNPSGNAFLKINPDHIG
 FYRVNIEVATWDSIATASLNHKTFFSSADRASLIDDAFALARAQLLDYKVALNLTKYL
 KREENFLPWQRVISAVTYIISMFEEDDKELYPMIEEYFQGQVKPIADSLGWNDAGDHV
 TKLLRSSVLGFACKMGDREALNNASSLFEQWLNGTVSLPVNLRLLVYRYGMQNSG
 NEISWNYTLEQYQKTSLAQEKEKLLYGLASVKNVTLLSRYL DLLKDTNLIKTQDVFTVI
 RYISYNSYGKNMAWNWIQLNWDYLVNRYTLNNRNLGRIVTIAEPFNTLQLWQMES
 FFAKYPQAGAGEKPREQVLETVKNNIEWLQHRNTIREWFFNLLESCTRTRPLEQKL
 ISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name ENPEP glutamyl aminopeptidase [Homo sapiens (human)]

Official Symbol ENPEP

Synonyms ENPEP; glutamyl aminopeptidase (aminopeptidase A); glutamyl aminopeptidase; CD249; gp160; EAP; AP-A; aminopeptidase A; differentiation antigen gp160; APA;

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Gene ID	2028
mRNA Refseq	NM_001977
Protein Refseq	NP_001968
MIM	138297
UniProt ID	Q07075
SDS-PAGE	