

Product Information

MemDX™ Membrane Protein Human MEP1B (Meprin A subunit beta) Full Length

Cat. No.: **MPC3485K**

This product is for research use only and is not intended for diagnostic use.

This product is a made-to-order Human MEP1B membrane protein expressed in HEK293. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

MEP1B

Protein Length

Full length

Protein Class

Protease

TMD

1

Sequence

MDLWNL SWFLFLDALLVISGLATPENFDVDGGMDQDIFDINEGLGLDLFE
GDIRLDRAQIRNSIIGEKYRWPHTIPYVLEDSLEMNAKGVLNAFERYRL
KTCIDFKPWAGETNYISVFKGSGCWSSVGNRRVGKQELSIGANCDRIATV
QHEFLHALGFWHEQSRSDRDDYVRIMWDRILSGREHNFNNTYSDDISDSL
VPYDYTSVMHYSKTAQNGTEPTIVTRISDFEDVIGQRMDFSDSDLLKLN
QLYNCSSLSFMDSCSFELENVCGMIQSSGDNADWQQRVSQVPRGPESDHS
NMGQCQSGGFFMHFDSSSVNVGATAVLESRTLYPKRGFQCLQFYLYNSGS
ESDQLNIYIREYSADNVDGNLTLVEEIKEIPTGSWQLYHVTLKVTKKFRV
VFEGRKGSGASLGGLSIDDINLSETRCPHHIWHIRNFTQFIGSPNGTLYS
PPFYSSKGYAFQIYLNLAHV TNAGIYFHLISGANDDQLQWPCPWQQATMT
LLDQNPDIRQRMSNQRSITTDPFMTTDNGNYFWDRPSKVGTV ALFSNGTQ
FRRGGGYGTSAFITHERLKSRDFIKGDDVYILLTVEDISHLNSTQIQLTP
APSVQDLCSKTTCKNDGVCTVRDGAECRCQSGEDWWYMGERCEKRGSTR
DTIVIAVSSTVAVFALMLITLVSVYCTRKKYRERMSSNRPNLTPQNQHA
F

Product Description

Expression Systems

HEK293

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements (Detergent, Liposome, Nanodisc, Polymer, VLP)

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -72°C or lower. Avoid freeze/thaw cycles.

Target**Target Protein**

MEP1B

Full Name

Meprin A subunit beta

Introduction

Meprins are multidomain zinc metalloproteases that are highly expressed in mammalian kidney and intestinal brush border membranes, and in leukocytes and certain cancer cells. They are involved in the hydrolysis of a variety of peptide and protein substrates, and have been implicated in cancer and intestinal inflammation. Mature meprins are oligomers of evolutionarily related, but separately encoded alpha and/or beta subunits. Homooligomers of alpha subunit are secreted, whereas, oligomers containing the beta subunit are plasma membrane-bound. This gene encodes the beta subunit. Targeted disruption of this gene in mice affects embryonic viability, renal gene expression profiles, and distribution of the membrane-associated alpha subunit in kidney and intestine.

Alternative Names

MEP1B; N-benzoyl-L-tyrosyl-P-amino-benzoic acid hydrolase subunit beta; N-benzoyl-L-tyrosyl-p-amino-benzoic acid hydrolase beta subunit; PABA peptide hydrolase; PPH beta; endopeptidase-2; meprin A, beta; meprin B; Meprin A subunit beta

Gene ID

[4225](#)

UniProt ID

[Q16820](#)