

Product Information

MemDX™ Membrane Protein Human BPNT2 (3'(2'), 5'-bisphosphate nucleotidase 2) Full Length

Cat. No.: **MPC3771K**

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

This product is a made-to-order Human BPNT2 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

BPNT2

Protein Length

Full length

Protein Class

Receptor

TMD

1

Sequence

MAPMGIRLSPLGVAVFCLLGLGVLYHLYSGFLAGRFSLFGLGGEPGGGAA
GPAAAADGGTVDLREMLAVSVLAAVRGGDEVRRVRESNVLHEKSKGKTRE
GAEDKMTSGDVLNRMKMFYLLKTAFPSVQINTEEHVDAADQEVILWDHKI
PEDILKEVTTTPKEVPAESVTWIDPLDATQEYTEDLRKYVTTMVCVAVNG
KPMLGVIHKPFSEYTAWAMVDGGSNVKARSSYNEKTPRIVVSRSHSGMVK
QVALQTFGNQTTIIPAGGAGYKVLALLDVPDKSQEKADLYIHVTYIKKWD
ICAGNAILKALGGHMTTSLSGEEISYTGSDGIEGGLLASIRMNHQALVRKL
PDLEKTGHK

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**

BPNT2

Full Name

3'(2'), 5'-bisphosphate nucleotidase 2

Introduction

This gene encodes a member of the inositol monophosphatase family. The encoded protein is localized to the Golgi apparatus and catalyzes the hydrolysis of phosphoadenosine phosphate (PAP) to adenosine monophosphate (AMP). Mutations in this gene are a cause of GRAPP type chondrodysplasia with joint dislocations, and a pseudogene of this gene is located on the long arm of chromosome 1.

Alternative Names

BPNT2; GPAPP; IMP 3; IMP-3; IMPA3; IMPAD1; Golgi-resident adenosine 3',5'-bisphosphate 3'-phosphatase; Golgi 3-prime phosphoadenosine 5-prime phosphate 3-prime phosphatase; IMPase 3; golgi-resident PAP phosphatase; golgi-resident nucleotide phosphatase; inositol monophosphatase domain containing 1; inositol monophosphatase domain-containing protein 1; inositol-1(or 4)-monophosphatase 3; myo-inositol monophosphatase A3; phosphoadenosine phosphate 3'-nucleotidase; 3'(2'), 5'-bisphosphate nucleotidase 2

Gene ID

[54928](#)

UniProt ID

[Q9NX62](#)