

Datasheet for ABIN7553821
ENPP3 Protein (AA 1-875) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	ENPP3
Protein Characteristics:	AA 1-875
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ENPP3 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat ENPP3 Protein expressed in mammalian cells.
Sequence:	<p>MESTLTLATE QPVKKNTLKK YKIACIVLLA LLVIMSLGLG LGLGLRKLEK QGSCRKKCFD ASFRGLENCR CDVACKDRGD CCWDFEDTCV ESTRIWMCNK FRCGETRLEA SLCSDDCL QRKDCCADYK SVCQGETSWL EENCDAQQS QCPEGFDLPP VILFSMDGFR AEYLYTWDTL MPNINKLKTC GIHSKYMRAM YPTKTFPNHY TIVTGLYPES HGIIDNNMYD VNLNKNFSL SKEQNNPAWW HGQPMWLTAM YQGLKAATYF WPGSEVAING SFPSIYMPYN GSVPFEEERIS TLLKWLDLPK AERPRFYTM YFEEDSSGHA GGPVSARVIK ALQVVDHAFG MLMEGLKQRN LHNCVNIILL ADHGMDQTYC NKMEYMTDYF PRINFFYMYE GPAPRIRAHN IPHDFFSFNS EEIVRNLSR KPDQHFKPYL TPDLPKRLHY AKNVRIDKVH LFVDQQLAV RSKSNTNCGG GNHGYNNEFR SMEAIFLAHG PSFKEKTEVE PFENIEVYNL MCDLLRIQPA PNNGTHGSLN HLLKVPFYEP SHAEVSKFS VCGFANPLPT ESLDCFCPHL QNSTQLEQVN QMLNLTQEEI TATVKVNLPF GRPRVLQKNV DHCLLYHREY VSGFGKAMRM PMWSSYVTPQ LGDTSPLPPT</p>

Product Details

VPDCLRADVR VPPSESQKCS FYLADKNITH GFLYPPASNR TSDSQYDALI TSNLVPMYEE
FRKMWDYFHS VLLIKHATER NGVNVVSGPI FDYNYDGHFD APDEITKHLA NTDVPIPTHY
FVVLTSCKNK SHTPENCPGW LDVLPFIIPH RPTNVEESPE GKPEALWVEE RFTAHARVR
DVELLTGLDF YQDKVQPVE ILQLKTYLPT FETTI **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.

Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

Grade:

custom-made

Target Details

Target:

ENPP3

Alternative Name:

ENPP3 ([ENPP3 Products](#))

Background:

Ectonucleotide pyrophosphatase/phosphodiesterase family member 3 (E-NPP 3) (NPP3) (Phosphodiesterase I beta) (PD-Ibeta) (Phosphodiesterase I/nucleotide pyrophosphatase 3) (CD antigen CD203c) [Includes: Alkaline phosphodiesterase I (EC 3.1.4.1), Nucleotide pyrophosphatase (NPPase) (EC 3.6.1.9) (Nucleotide diphosphatase)],FUNCTION: Hydrolase that metabolizes extracellular nucleotides, including ATP, GTP, UTP and CTP (PubMed:29717535). Limits mast cell and basophil responses during inflammation and during

Target Details

the chronic phases of allergic responses by eliminating the extracellular ATP that functions as signaling molecule and activates basophils and mast cells and induces the release of inflammatory cytokines. Metabolizes extracellular ATP in the lumen of the small intestine, and thereby prevents ATP-induced apoptosis of intestinal plasmacytoid dendritic cells (By similarity). Has also alkaline phosphodiesterase activity (PubMed:11342463).

{ECO:0000250|UniProtKB:Q6DYE8, ECO:0000269|PubMed:11342463, ECO:0000269|PubMed:29717535}.

Molecular Weight: 100.1 kDa

UniProt: [O14638](#)

Pathways: [Regulation of Muscle Cell Differentiation, Negative Regulation of Transporter Activity](#)

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