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Datasheet for ABIN7013055

**ENPP3 Protein (AA 46-874) (His tag)**

## Overview

Quantity:	100 µg
Target:	ENPP3
Protein Characteristics:	AA 46-874
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ENPP3 protein is labelled with His tag.

## Product Details

Purpose:	Mouse ENPP3 / CD203c Protein, His Tag (active enzyme, MALS verified)
Purity:	>95 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

## Target Details

Target:	ENPP3
Alternative Name:	ENPP3 ( <a href="#">ENPP3 Products</a> )
Background:	The human NPP family contains seven members which can be classified into two groups according to their substrate preferences. The first class comprises the nucleotide-degrading proteins NPP1, 3 and 4. NPP3 (CD203c, ENPP3) is expressed in multiple organs, including on epithelial and mucosal surfaces, and notably on basophils and mast cells. Activation of basophils by antigen-bound IgE leads to release of inflammatory mediators and rapid

## Target Details

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upregulation of NPP3 to the cell surface. This protein is in fact a common marker for diagnosing allergen sensitivity with patient basophils by flow cytometry. Basophils and mast cells mediate the response to certain pathogens, as well as acute and chronic allergic reactions. Following activation, these cells release ATP, which further stimulates them in an autocrine manner. NPP3 upregulation serves to degrade ATP and suppress chronic allergic inflammation (but not the acute response).

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Molecular Weight: 95.8 kDa

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NCBI Accession: [NP\\_598766](#)

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

## Application Details

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Restrictions: For Research Use only

## Handling

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Format: Lyophilized

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Buffer: 50 mM Tris, 150 mM NaCl, pH 7.5

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Storage: -20 °C