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Datasheet for ABIN7489093 **ENPP3 Protein (Fc Tag)**

Overview

Quantity:	100 µg
Target:	ENPP3
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This ENPP3 protein is labelled with Fc Tag.

Product Details

Purpose:	Mouse ENPP3 Protein, Fc Tag (active enzyme, MALS verified)
Sequence:	Arg 46 - Ile 874
Characteristics:	Mouse ENPP3 Protein, Fc Tag is expressed from human 293 cells (HEK293). It contains AA Arg 46 - Ile 874 (Accession # Q6DYE8-1).
Purity:	90 %
Endotoxin Level:	1.0 EU per µg
Grade:	MALS verified

Target Details

Target:	ENPP3
Alternative Name:	ENPP3 (ENPP3 Products)

Target Details

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 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).

Molecular Weight: 120.3 kDa

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

Application Details

Comment: This protein carries a human IgG1 Fc tag at the N-terminus. (Fc) The protein has a calculated MW of 120.3 kDa. The protein migrates as 130-150 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: 50 mM Tris 150 mM NaCl PH8.0

Storage: -20 °C

Storage Comment: -20°C
