Datasheet for ABIN7121429

CD73 Protein (His tag)

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Overview

Quantity:	100 µg
Target:	CD73 (NT5E)
Origin:	Dog
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This CD73 protein is labelled with His tag.

Product Details

Purpose:	Canine CD73 / NT5E Protein, His Tag (MALS verified) (active enzyme)
Sequence:	Trp 27 - Ser 549
Characteristics:	Canine CD73, His Tag (CD3-C52H5) is expressed from human 293 cells (HEK293). It contains AA Trp 27 - Ser 549 (Accession # XP_038540011.1).
Purity:	>95 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	CD73 (NT5E)
Alternative Name:	CD73 / NT5E (NT5E Products)
Background:	Synonyms: CD73,NT5E,5'-Nucleotidase,5'-NT,NT5,NTE,

Target Details

	Description: 5'-nucleotidase (5'-NT), also known as ecto-5'-nucleotidase or CD73 (cluster of differentiation 73), is an enzyme that is encoded by the NT5E gene. CD73 commonly serves to convert AMP to adenosine. Ecto-5-prime-nucleotidase (5-prime-ribonucleotide phosphohydrolase) catalyzes the conversion at neutral pH of purine 5-prime mononucleotides to nucleosides, the preferred substrate being AMP. Other forms of 5-prime nucleotidase exist in the cytoplasm and lysosomes and can be distinguished from ecto-NT5 by their substrate affinities, requirement for divalent magnesium ion, activation by ATP, and inhibition by inorganic phosphate. Rare allelic variants are associated with a syndrome of adult-onset calcification of joints and arteries (CALJA) affecting the iliac, femoral, and tibial arteries reducing circulation in the legs and the joints of the hands and feet causing pain.
Molecular Weight:	59.8 kDa
NCBI Accession:	XP_038540011
Pathways:	Synaptic Membrane, Ribonucleoside Biosynthetic Process

Application Details

Application Notes:	This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 59.8 kDa. The protein migrates as 65 kDa under reducing (R) condition due to glycosylation.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	20 mM Tris, 120 mM NaCl, pH 7.5
Storage:	-20 °C
Storage Comment:	-20°C