

Datasheet for ABIN7121431

CD73 Protein (His tag)



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Overview

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

Product Details

Purpose:	Rabbit CD73 / NT5E Protein, His Tag (active enzyme)
Sequence:	Trp 27 - Ser 550
Characteristics:	Rabbit CD73, His Tag (CD3-R52H3) is expressed from human 293 cells (HEK293). It contains AA Trp 27 - Ser 550 (Accession # XP_002714603.1).
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_002714603](#)

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 60-65 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