

Datasheet for ABIN7540049
CD73 Protein (AA 29-551) (His tag)



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1 Image

Overview

Quantity:	100 µg
Target:	CD73 (NT5E)
Protein Characteristics:	AA 29-551
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This CD73 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence: WELTILHTND VHSRLEQTS D DSTKCLNASL CVGGVARLFT KVQQRKEEP NVLFLDAGDQ
YQGTIWFTVY KGLEVAHF MN ILGYDAMALG NHEFDNGVEG LIDPLLRNVK FPILSANIKA
RGPLAHQISG LFLPSKVLSV GGEVVGIVGY TSKETPFLSN PGTNLVFEDE ISALQPEVDK
LKTLNVNKII ALGHSGFEMD KLIAQKVRGV DIVVGGHSNT FLYTGNPPSK EVPAGKY PFI
VTADDGRQVP VVQAYAFGKY LGYLKVEFDD KGNVITSYGN PILLNSSIPE DATIKADINQ
WRIKLDNYST QELGRTIVYL DGSTQTCRFR ECNMGNLICD AMINNNLRHP DEMFWNHVSM
CIVNGGGIRS PIDEKNNGTI TWENLAAVLP FGGTFDLVQL KGSTLKKAFE HSVHRYGQST
GEFLQVGGIH VVYDINRKPW NRVVQLEVLC TKCRVPIYEP LEMDKVYKVT LPSYLANGGD
GFQMIKDELL KHDSGDQDIS VVSEYISKMK VVYPAVEGRI KFSLEHHHHH H

Purity: > 90 % by SDS - PAGE

Product Details

Endotoxin Level:	< 1.0 EU per 1 microgram of protein (determined by LAL method)
Biological Activity Comment:	Specific activity is > 8,000 pmol/min/ug, and is defined as the amount of enzyme that hydrolyze 1.0 pmole of Adenosine 5-monophosphate to phosphate per minute per minute at pH 7.5 at 25C.

Target Details

Target:	CD73 (NT5E)
Alternative Name:	Nt5e (NT5E Products)
Background:	Nt5e, also known as 5-nucleotidase, is the main enzyme responsible for conversion of AMP into the immunosuppressive molecule adenosine. It was demonstrated to play a direct role in tumor progression including regulation of tumor vascularization. It is of general functional importance for the metabolism of nucleotides at the ventricular surface of the retina as well as the ventricles of the brain, a feature that is maintained throughout development. Recombinant mouse Nt5e, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Molecular Weight:	59.1kDa (531aa) 50-70kDa (SDS-PAGE under reducing conditions)
NCBI Accession:	NP_035981
UniProt:	Q61503
Pathways:	Synaptic Membrane , Ribonucleoside Biosynthetic Process

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Comment:	Bioactivity Validated
Restrictions:	For Research Use only

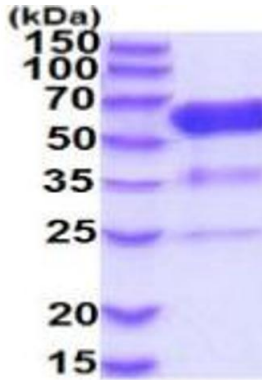
Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10 % glycerol.
Storage:	4 °C,-20 °C,-80 °C

Handling

Storage Comment: Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.

Images



15% SDS-PAGE (3ug)

SDS-PAGE

Image 1.