

Recombinant human CD73 protein (Active) (Biotin)
ab271447

2 Images

Description

Product name	Recombinant human CD73 protein (Active) (Biotin)		
Biological activity	Specific activity >7000 pmol/min/μg.		
	Assay was done in 50 μL assay buffer containing 25 mM Tris, pH 7.4, 5 mM MgCl2 and 100 μM AMP for 15 min at 37°C. Phosphate standard solution was run side-by-side for product quantification.		
Purity	>= 90 % SDS-PAGE.		
Expression system	HEK 293 cells		
Accession	<u>P21589</u>		
Protein length	Protein fragment		
Animal free	No		
Nature	Recombinant		
Species	Human		
Sequence	WELTILHTND VHSRLEQTSE DSSKCVNASR CMGGVARLFT KVQQIRRAEP NVLLLDAGDQ YQGTWFTVY KGAEVAHFMN ALRYDAMALG NHEFDNGVEG LIEPLLKEAK FPILSANIKA KGPLASQISG LYLPYKVLPV GDEVVGIMGY TSKETPFSLN PGTNLVFEDE ITALQPEVDK LKTLNVNKII ALGHSGFEMD KLIAQKVRGV DVVVGGHSNT FLYTGNPPSK EVPAGKY PFI VTSDDGRKVP VVQAYAFGKY LGYLKIEFDE RGNVISSHGN PILLNSSIPE DPSIKADINK WRIKLDNYST QELGKTIVYL DGSSQSCRFR ECNMGNLICD AMINNNLRHT DEMFWNHVSM CILNGGGIRS PIDERNNGTI TWENLAAVLP FGGTFDLVQL KGSTLKKAFE HSVHRYGQST GEFLQVGGIH VVDLSRKPG DRVVKLDVLC TKCRVPSYDP LKMDEVYKVI LPNFLANGGD GFQMIKDELL RHDSGDQDIN VVSTYISKMK VIYPAVEGRIK		
Predicted molecular weight	61 kDa including tags		
Amino acids	27 to 547		

Tags His tag C-Terminus , Avi tag C-Terminus

Additional sequence information Genbank: NM_002526

Conjugation Biotin

Specifications

Our **Abpromise guarantee** covers the use of **ab271447** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications SDS-PAGE

Form Liquid

Additional notes Enzymatically biotin-labeled using Avi-tag™ technology

Preparation and Storage

Stability and Storage Shipped on Dry Ice. Store at -80°C. Avoid freeze / thaw cycle. Store In the Dark.
pH: 7.40
Constituents: 0.13% Sodium phosphate, 0.64% Sodium chloride, 0.02% Potassium chloride, 20% Glycerol (glycerin, glycerine)
This product is an active protein and may elicit a biological response in vivo, handle with caution.

General Info

Function Hydrolyzes extracellular nucleotides into membrane permeable nucleosides.

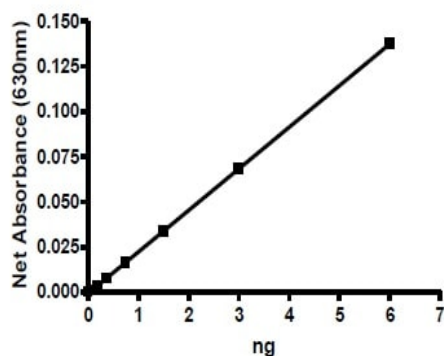
Involvement in disease Defects in NT5E are the cause of calcification of joints and arteries (CAJA) [MIM:211800]. A condition characterized by adult-onset calcification of the lower extremity arteries, including the iliac, femoral and tibial arteries, and hand and foot capsule joints. Age of onset has been reported as early as the second decade of life, usually involving intense joint pain or calcification in the hands.

Sequence similarities Belongs to the 5'-nucleotidase family.

Cellular localization Cell membrane.

Images

Specific Activity:

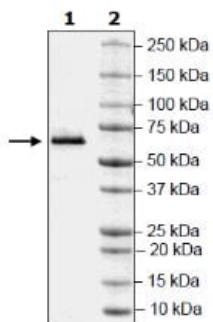


Functional Studies - Recombinant human CD73
protein (Active) (Biotin) (ab271447)

Functional analysis of ab271447.

Specific activity >7000 pmol/min/μg.

Assay was done in 50 μL assay buffer containing 25 mM Tris, pH 7.4, 5 mM MgCl₂ and 100 μM AMP for 15 min at 37°C. Phosphate standard solution was run side-by-side for product quantification.



SDS-PAGE - Recombinant Human CD73 protein
(Tagged) (Biotin) (ab271447)

SDS-PAGE analysis of ab271447.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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