

CD73/5'-Nucleotidase Protein, Rat (HEK293, His)

Cat. No.:	HY-P7449
Synonyms:	rRtCD73, His; 5'-Nucleotidase; NT5E; CD-73
Species:	Rat
Source:	HEK293
Accession:	P21588 (W29-K549)
Gene ID:	58813
Molecular Weight:	70-90 kDa

PROPERTIES

AA Sequence

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W E L T I M H T N D   V H S R L E Q T S D   D S T K C L N A S L   C V G G V A R L F T
K V Q Q I R K E E P   N V L L L D A G D Q   Y Q G T I W F T V Y   K G L E V A H F M N
L L G Y D A M A L G   N H E F D N G V E G   L I D P L L R N V K   F P I L S A N I K A
R G P L A P Q I S G   L Y L P Y K V L S V   G G E V V G I V G Y   T S K E T P F L S N
P G T N L V F E D E   V T A L Q P E V D K   L K T L N V N K I I   A L G H S G F E M D
K L I A Q K V R G V   D V V V G G H T N T   F L Y T G N P P S K   E V P A G K Y P F I
V T S D D G R K V P   V V Q A Y A F G K Y   L G Y L K V E F D D   K G N V V T S Y G N
P I L L N S T I R E   D A A I K A D I N Q   W R I K L D N Y S T   Q E L G R T I V Y L
N G S A Q E C R F R   E C N M G N L I C D   A M I N N N L R H P   D E M F W N H V S M
C I V N G G G I R S   P I D E R N N G T I   T W E N L A A V L P   F G G T F D L V Q L
K G S T L K K A F E   H S V H R Y G Q S T   G E F L Q V G G I H   V V Y D I S R K P W
D R V V Q L K V L C   T K C R V P I Y E P   L E M D K V Y K V V   L P S Y L V N G G D
G F Q M I K D E L L   K H D S G D Q D I S   V V S E Y I S K M K   V I Y P A V E G R I
K H H H H H H
  
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Appearance Solution.

Formulation Supplied as a 0.2 µm filter solution of 20 mM Tris-HCl, 120mM NaCl, 4 mM CaCl₂, 20% Glycerol, pH 7.5.

Endotoxin Level <1 EU/µg, determined by LAL method.

Reconstitution N/A

Storage & Stability Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.

Shipping Shipping with dry ice.

DESCRIPTION

Background

CD-73, also known as NT5E, 5'-nucleotidase, and CD73 is a cell membrane protein which belongs to the 5'-nucleotidase family. CD73 is a glycosyl phosphatidylinositol-anchored protein with both ecto-enzyme activity (ecto-5'-nucleotidase) and serves as a costimulatory molecule in activating T cells. CD73 catalyzes the conversion of purine and pyrimidine ribo- and deoxyribonucleoside monophosphates to the corresponding nucleosides^[1].

REFERENCES

- [1]. Cynthia St Hilaire, et al. NT5E mutations and arterial calcifications
- [2]. R Resta, et al. T cell signalling through CD73. *Cell Signal*. 1997 Feb;9(2):131-9.
- [3]. Y Yamashita, et al. CD73 expression and fyn-dependent signaling on murine lymphocytes. *Eur J Immunol*. 1998 Oct;28(10):2981-90.
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Caution: Product has not been fully validated for medical applications. For research use only.

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