

5'-Nucleotidase/5'-NT/CD73 Active Protein | 5'-NT/CD73 active protein

Recombinant Human 5'-Nucleotidase/5'-NT/CD73 (P21589, C-6His)

CATALOG #
AAA177936

HOST
Human Cells

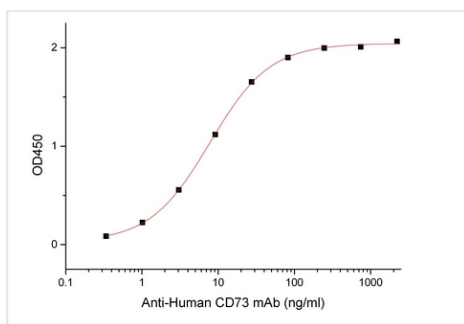
PRODUCT SYNONYMS

5'-Nucleotidase/5'-NT/CD73; Recombinant Human 5'-Nucleotidase/5'-NT/CD73 (P21589; C-6His); 5'-Nucleotidase; 5'-NT; Ecto-5'-Nucleotidase; CD73; NT5E; NT5; NTE; 5'-NT/CD73 active protein

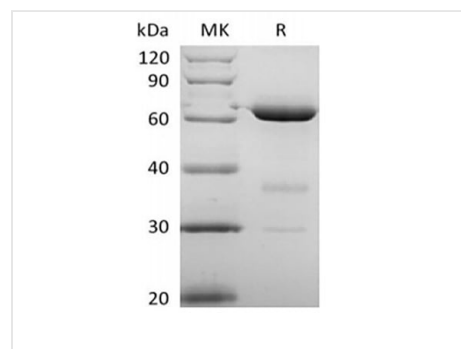
PRODUCT SPECIFICATIONS

Host	Human Cells
Purity/Purification	>95% as determined by reducing SDS-PAGE
Form/Format	Supplied as a 0.2um filtered solution of 20mM Tris-HCl, 120mM NaCl, 4mM CaCl ₂ , 20% Glycerol, pH7.5.
Sequence	Trp27-Lys5 47
Species	Human
Tag	C-6His
Endotoxin	<1.0EU per ug as determined by the LAL method.
Protein Construction	Recombinant Human 5'-Nucleotidase is produced by our Mammalian expression system and the target gene encoding Trp27-Lys547 is expressed with a 6His tag at the C-terminus.
Activity	Immobilized Human CD73-His at 2ug/ml (100ul/well) can bind Anti-Human CD73 mAb . The ED50 of Anti-Human CD73 mAb is 7.8ng/ml.
Preparation and Storage	Store at < -20 degree C, stable for 6 months. Please minimize freeze-thaw cycles. This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs.Upon receipt, store it immediately at<-20 degree C.

IMAGES



Bioactivity



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for 5'-NT/CD73 active protein	CD73 is a glycosyl phosphatidylinositol (GPI) anchored membrane protein that belongs to the 5'-nucleotidase family. CD73 is an ecto 5'Nucleotidase expressed by most cell types. CD73 hydrolyzes extracellular nucleotides into membrane permeable nucleosides. CD73 is one of several enzymes responsible for the production of extracellular adenosine, a signaling molecule that is involved in responses to inflammation and tissue injury. CD73 is a lymphocyte maturation marker that has functions independent of its catalytic activity. CD73 is also a regulator of leukocyte extravasation, a function that requires its 5'Nucleotidase activity. Defects in NT5E are the cause of calcification of joints and arteries (CAJA). The recombinant CD73 lacking GPI anchor is secreted as a monomer.
Product Categories/Family for 5'-NT/CD73 active protein	Cardiovascular

NCBI AND UNIPROT INFORMATION

NCBI GI #	112825
NCBI GeneID	4907
UniProt Accession #	P21589; O75520; Q5W116; B3KQI8
Molecular Weight	574
NCBI Official Full Name	5'-nucleotidase
NCBI Official Synonym Full Names	5'-nucleotidase, ecto (CD73)
NCBI Official Symbol	NT5E
NCBI Official Synonym Symbols	NT; eN; NT5; NTE; eNT; CD73; E5NT; CALJA
NCBI Protein Information	5'-nucleotidase; 5'-NT; ecto-5'-nucleotidase; Purine 5-Prime-Nucleotidase
UniProt Protein Name	5'-nucleotidase
UniProt Gene Name	NT5E
UniProt Synonym Gene Names	NT5; NTE; 5'-NT
UniProt Entry Name	5NTD_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-cells-active-protein/5-nucleotidase-5-nt-cd73/177936>