

32-7400: Recombinant Human 5'-Nucleotidase/5'-NT/CD73 (C-6His)

Gene : NT5E
Gene ID : 4907
Uniprot ID : P21589

Description

Source: Human Cells.
MW :58.8kD.

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. 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 Info

Amount : 10 µg / 50 µg
Content : Supplied as a 0.2 µm filtered solution of 20mM TrisHCl, 120mM NaCl, 4mM CaCl₂, 20% Glycerol, pH 7.5.
Storage condition : Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Amino Acid : WELTILHTNDVHSRLEQTSSESSKCVNASRCMGGVARLFTKVQQIRRAEPNVLLLDAGDQYQGTIWFTVYKGA
EVAHFMNALRYDAMALGNHEFDNGVEGLIEPLLKEAKFPILSANIKAKGPLASQISGLYLPYKVLVPGDEVVGVG
YTSKETPFLSNPGTNLVFEDEITALQPEVDKLTNLVNVKIIALGHSGFEMDKLIAQKVRGVDVVVGGHSNTFLYT
GNPPSKEVPAGKYPFIVTSDDGRKVPVQAYAFGKYLGYLKIIEFDERGNVISSHGPNILLNSSIPEDPSIKADINK
WRIKLDNYSTQELGKTIVYLDGSSQSCRFRFCNMGNLICDAMINNNLRHADETFWNHVSMLCINGGGIRSPIDE
RNNGTITWENLAAVLPFGGTFDLVQLKGSTLKKAFEHSVHRYGQSTGEFLQVGGIHVVYDLSRKPGRVVKLD
VLCTKCRVPSYDPLKMDEVYKVLNPNFLANGGDFQMIKDELLRHDSGDQDINVVSTYISKMKVIYPAVEGRIKV
DHHHHHHH

Application Note

Endotoxin : Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.