

## Recombinant Human NT5E

Cat. No. NT5E-27507TH Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant fragment of Human CD73 with a proprietary tag; predicted MWt 52.18 kDa including the tag.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<b>ProteinLength</b>	238 amino acids
<b>Description</b>	The protein encoded by this gene is a plasma membrane protein that catalyzes the conversion of extracellular nucleotides to membrane-permeable nucleosides. The encoded protein is used as a determinant of lymphocyte differentiation. Defects in this gene can lead to the calcification of joints and arteries. Two transcript variants encoding different isoforms have been found for this gene.
<b>Molecular Weight</b>	52.180kDa
<b>Form</b>	Liquid
<b>Purity</b>	Proprietary Purification
<b>Storage buffer</b>	pH: 8.00 Constituents: 0.79% Tris HCl, 0.31% Glutathione
<b>Storage</b>	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

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**Sequences of amino acids**

ELTILHTNDVHSRLEQTSSESSKCVNASRCMGGVARLFTKVQQIRRAEPNVLLLDAG  
 DQYQGTIWFTVYKGAEVAHFMMNALRYDAMALGNHEFDNGVEGLIEPLLKEAKFPILS  
 ANIKAKGPLASQISGLYLPYKVLVPGDEVVGVGYTSKETPFLSNPGTNLVFEDEITAL  
 QPEVDKCLKTLNVNKIIALGHSGSEMDKLIQKVRGVDVVVGGHSNTFLYTGNCFKRIA  
 WARMSR

**Sequence Similarities**

Belongs to the 5-nucleotidase family.

## GENE INFORMATION

**Gene Name** [NT5E 5-nucleotidase, ecto \(CD73\) \[ Homo sapiens \]](#)

**Official Symbol** [NT5E](#)

**Synonyms** [NT5E](#); 5-nucleotidase, ecto (CD73); 5 nucleotidase (CD73) , [NT5](#); 5-nucleotidase; [CD73](#); [eN](#); [eNT](#);

**Gene ID** [4907](#)

**mRNA Refseq** [NM\\_001204813](#)

**Protein Refseq** [NP\\_001191742](#)

**MIM** [129190](#)

**Uniprot ID** [P21589](#)

**Chromosome Location** [6q14-q21](#)

**Pathway** [HIF-1-alpha transcription factor network, organism-specific biosystem; Metabolic](#)

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pathways, organism-specific biosystem; Metabolism, organism-specific biosystem;  
Metabolism of nucleotides, organism-specific biosystem; Nicotinate and nicotinamide  
metabolism, organism-specific biosystem;

**Function**

5-nucleotidase activity; ferrous iron binding; hydrolase activity, acting on ester bonds;  
metal ion binding; nucleotide binding;

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