

Recombinant Human NT5E

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

SPECIFICATION

Product Overview	Recombinant fragment of Human CD73 with a proprietary tag; predicted MWt 52.18 kDa including the tag.
Species	Human
Source	Wheat Germ
ProteinLength	238 amino acids
Description	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.
Molecular Weight	52.180kDa
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.79% Tris HCl, 0.31% Glutathione
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

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Sequences of amino acids

ELTILHTNDVHSRLEQTSSEDSSKCVNASRCMGGVARLFTKVQQIRRAEPNVLLLDAG
DQYQGTIWFTVYKGA EVAHFMNALRYDAMALGNHEFDNGVEGLIEPLLKEAKFPILS
ANIKAKGPLASQISGLYLPYKVLPVGDEVVGIVGYTSKETPFLSNPGTNLVFEDEITAL
QPEVDKCLKTLNVNKIIALGHSGSEMDKLIQKVRGVDVVGGHSNTFLYTGNCFKRIA
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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