Active Recombinant Human NT5E, Fc-tagged, Biotinylated

Cat. No. NT5E-579H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The recombinant human CD73-Fc fusion is expressed as a 759 amino acid protein consisting of Trp27 - Lys547 region of CD73 (Uniprot Accession #P21589) and a C-terminal Fc from human IgG1, which exists as a dimer under non-reducing conditions.
Species	Human
Source	Human Cells
ProteinLength	27-547 a.a.
Form	Supplied at 0.5 mg/ml in sterile PBS pH7.4 (carrier and preservative free). The purified recombinant protein was labeled with Biotin (3-5 Biotin per molecule).
Bio-activity	CD73 hydrolyzes the 5"phosphate group from the substrate adenosine 5"monophosphate (AMP) with a specific activity over 20,000 pmoles/min/μg.
Molecular Mass	Calculated molecular mass (kDa): 84.4; Estimated by SDS-PAGE under reducing condition (kDa): 85-90
Endotoxin	<0.1 eu per 1 μg of purified recombinant protein determined by the
Purity	>95% judged by SDS-PAGE under reducing condition
Storage	The product is shipped at 4°C. Upon receipt, centrifuge the product briefly before opening the vial. It is recommended to store small aliquots at the temperature below

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	–20°C for long-term storage and the product is stable for 3 months. The undiluted protein can be stored at 4°C for no more than 2 weeks. Avoid repeated freeze-thaw cycles.
Conjugation	Biotin

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; 5-NT; ecto-5-nucleotidase; Purine 5-Prime-Nucleotidase; NT; NT5; NTE; E5NT;
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 pathways, organism-specific biosystem; Metabolism, organism-specific biosystem;

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	Metabolism of nucleotides, organism-specific biosystem; Nicotinate and nicotinamide metabolism, organism-specific biosystem; Nicotinate and nicotinamide metabolism, conserved biosystem; Purine catabolism, 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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