

Active Recombinant Human NT5E protein, His-tagged

Cat. No. NT5E-2681H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human 5'-Nucleotidase/CD73 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Met1-Lys547) of human 5'-Nucleotidase/CD73 (Accession #NP_002517.1) fused with a 6×His tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	Met1-Lys547
Form	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Bio-activity	1.Measured by its binding ability in a functional ELISA. Immobilized Human 5-Nucleotidase/CD73 at 2 µg/mL (100 µL/well) can bind 5-Nucleotidase/CD73 Rabbit pAb with a linear range of 0.16-2.93 ng/mL. 2.Measured by its ability to hydrolyze the 5'-phosphate group from the substrate adenosine-5'-monophosphate (AMP). The orthophosphate product is measured by a Malachite Green Phosphate Detection Kit. The specific activity is >33654 pmol/min/µg. 3.Measured by its ability to hydrolyze the 5'-phosphate group from the substrate adenosine-5'-monophosphate (AMP). The specific activity is >25,000 pmol/min/µg.
Molecular Mass	60-70 kDa

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Endotoxin	< 0.1 EU/μg of the protein by LAL method.
Purity	> 95% by SDS-PAGE.
Storage	Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.
Reconstitution	Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

GENE INFORMATION

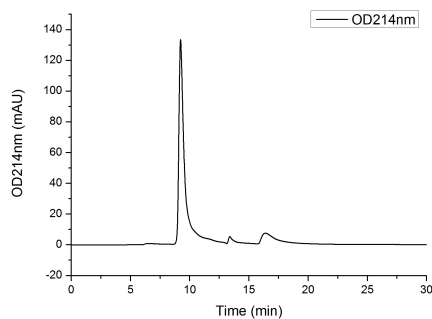
Gene Name	NT5E 5-nucleotidase, ecto (CD73) [Homo sapiens]
Official Symbol	NT5E
Synonyms	NT5E; 5-nucleotidase, ecto (CD73); 5 nucleotidase (CD73) , NT5; 5-nucleotidase; CD73; eN; eNT; 5-NT; ecto-5-nucleotidase; Purine 5-Prime-Nucleotidase; NT; NT5; NTE; E5NT;
Gene ID	4907
mRNA Refseq	NM_001204813
Protein Refseq	NP_001191742
MIM	129190
UniProt ID	P21589

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Bio-activity



SDS-PAGE

