

## 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 6xHis 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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Endotoxin</b>	< 0.1 EU/μg of the protein by LAL method.
<b>Purity</b>	> 95% by SDS-PAGE.
<b>Storage</b>	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.
<b>Reconstitution</b>	Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

## GENE INFORMATION

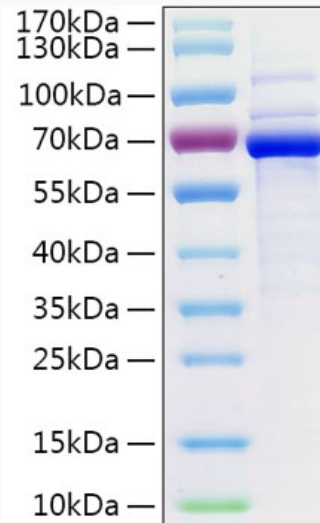
<b>Gene Name</b>	NT5E 5-nucleotidase, ecto (CD73) [ Homo sapiens ]
<b>Official Symbol</b>	NT5E
<b>Synonyms</b>	NT5E; 5-nucleotidase, ecto (CD73); 5 nucleotidase (CD73) , NT5; 5-nucleotidase; CD73; eN; eNT; 5-NT; ecto-5-nucleotidase; Purine 5-Prime-Nucleotidase; NT; NT5; NTE; E5NT;
<b>Gene ID</b>	4907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

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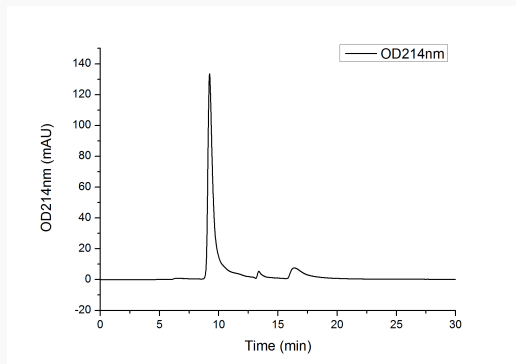
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**SDS-PAGE**



**Bio-activity**



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