

Active Recombinant Mouse Nt5e, His-tagged

Cat. No. Nt5e-250M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Nt5e (Trp29-Lys549) fused with 6His tag at Cterminal, was expressed in CHO Cells.
Species	Mouse
Source	CHO
ProteinLength	29-549 a.a.
Description	5"-nucleotidase(5"-NT), also known as ecto-5"-nucleotidaseor CD73 (Cluster ofDifferentiation 73), is an enzymethat in humans is encoded by theNT5E gene. CD73 commonly serves to convert AMP toadenosine.
Predicted N Terminal	Trp29
Form	Supplied as a 0.2 µ filtered solution in Tris, NaCl, CaCl2 and Glycerol.
Bio-activity	Measured by its ability to hydrolyze the 5'-phosphate group from the substrate adenosine-5'-monophosphate (AMP). The specific activity is >10,000 pmol/min/g.
Molecular Mass	59 kDa
Endotoxin	< 1.0 EU per 1 µg of the protein by the LAL method.
Purity	>90%, by SDS-PAGE under reducing conditions and visualized by silver stain.

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Storage

Avoid repeated freeze-thaw cycles. 6 months from date of receipt, -20 to -70 °C as supplied. 3 months, -20 to -70 °C under sterile conditions after opening.

GENE INFORMATION
Gene Name

Nt5e 5" nucleotidase, ecto [*Mus musculus* (house mouse)]

Official Symbol

Nt5e

Synonyms

Nt5e; NT; Nt5; eNT; CD73; AI447961; 2210401F01Rik; 5" nucleotidase, ecto; 5"-nucleotidase; 5"-NT; ecto-5"-nucleotidase; EC 3.1.3.5

Gene ID

[23959](#)

mRNA Refseq

[NM_011851](#)

Protein Refseq

[NP_035981](#)

UniProt ID

Q61503

**Chromosome
Location**

9; 9 E3.2

Pathway

Metabolism of nucleotides; Nicotinate and nicotinamide metabolism; Purine metabolism

Function

5"-nucleotidase activity; ferrous iron binding; hydrolase activity, acting on ester bonds

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