

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'-nucleotidase or CD73 (Cluster of Differentiation 73), is an enzyme that in humans is encoded by the NT5E gene. CD73 commonly serves to convert AMP to adenosine.
Predicted N Terminal	Trp29
Form	Supplied as a 0.2 µm filtered solution in Tris, NaCl, CaCl ₂ 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 [<i>Mus musculus</i> (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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