

Recombinant Mouse Nt5e protein, His-tagged

Cat. No. Nt5e-6720M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Nt5e aa. (Trp29~phe550 (Accession # Q61503)) fused with N-terminal His tag was produced in E. coli cells.
Species	Mouse
Source	E.coli
ProteinLength	Trp29~phe550
Description	This gene encodes a membrane-bound nucleotidase that hydrolyzes extracellular nucleoside monophosphates. The encoded preproprotein undergoes proteolytic processing to generate to a functional, homodimeric enzyme that preferentially uses adenosine monophosphate as a substrate to generate free adenosine. Mice lacking the encoded protein exhibit a significantly reduced fall in stop flow pressure and superficial nephron glomerular filtration rate in response to a saturating increase of tubular perfusion flow.
Form	Freeze-dried powder
Molecular Mass	60kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%

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Characteristic	The isoelectric point is 6.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as liquid form in Phosphate buffered saline(PBS), pH 7.4.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	Nt5e 5' nucleotidase, ecto [<i>Mus musculus</i> (house mouse)]
Official Symbol	Nt5e
Synonyms	NT; Nt5; eNT; CD73; 5'-NT; AI447961; 2210401F01Rik; ecto-5'-nucleotidase; 5'-nucleotidase
Gene ID	23959
mRNA Refseq	NM_011851.4

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Protein Refseq	NP_035981.1
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UniProt ID	Q61503
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