

## 32-8476: Recombinant Mouse 5'-Nucleotidase/NT5E/CD73 (C-6His)

**Gene :** Nt5e  
**Gene ID :** 23959  
**Uniprot ID :** Q61503

### Description

Source: Human Cells.  
MW :58.8kD.

Recombinant Mouse 5'-Nucleotidase is produced by our Mammalian expression system and the target gene encoding Trp29-Phe550 is expressed with a 6His tag at the C-terminus. Mouse CD73 is a glycosyl phosphatidylinositol (GPI) anchored membrane protein that belongs to the 5'-nucleotidase family. CD73 is an ecto 5'-Nucleotidase expressed by most cell types. CD73 hydrolyzes extracellular nucleotides into membrane permeable nucleosides. CD73 is one of several enzymes responsible for the production of extracellular adenosine, a signaling molecule that is involved in responses to inflammation and tissue injury. CD73 is a lymphocyte maturation marker that has functions independent of its catalytic activity. CD73 is also a regulator of leukocyte extravasation, a function that requires its 5'-Nucleotidase activity. CD73 has also been reported to regulate expression of pro-inflammatory molecules in mouse endothelium.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Supplied as a 0.2 µm filtered solution of 20mM TrisHCl, 120mM NaCl, 4mM CaCl<sub>2</sub>, 20% Glycerol, pH 7.5.  
**Storage condition :** Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.  
**Amino Acid :** WELTILHTNDVHSRLEQTSDDSTKCLNASLVCVGGVARLFTKVQIRKEEPNVFLFDAGDQYQGTIWFTVYKGLE  
VAHFMNILGYDAMALGNHEFDNGVEGLIDPLLRNVKFPILSANIKARGPLAHQISGLFLPSKVLVSVGGGEVVGIVG  
YTSKETPFLSNPGTNLVFEDEISALQPEVDKCLKLNLVNVKIIALGHSGFEMDKLIAQKVRGVDIVVGGHSNTFLYTG  
NPPSKEVPAGKYPFIVTADDGRQVPVWQAYAFGKYLGYLKVVEFDDKGNVITSYGNPILLNSSIPEDATIKADINQ  
WRIKLDNYSTQELGRTIVYLDGSTQTCRFRECNMGNLICDAMINNLNLRHPDEMFWNHVSMCIVNGGGIRSPID  
EKNGTITWENLA AVL PFGGTFDLVQLKGSTLKKAFEHSVHRYGQSTGEFLQVGGIHVVYDINRKPWNRVVQL  
EVLCTKCRVPIYEPLMDKVYKVTLP SYLANGGDFQMIKDELKHDSDGDQDISVVSEYISKMKVVYPAVEGRIK  
FHHHHHH

### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.  
**Biological Activity :** Specific Activity is greater than 34000pmol/min/ug