

## Product datasheet for TP727033

## **Rat Recombinant Protein**

## **Product data:**

## OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

Product Type:	Recombinant Proteins
Description:	Recombinant Rat 5'-Nucleotidase/CD73 (C-6His)
Species:	Rat
Expression cDNA Clone or AA Sequence:	Trp29-Lys549
Tag:	C-His
Buffer:	Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 120mM NaCl, 4mM CaCl2, 20% Glycerol, pH 7.5.
Note:	Recombinant Rat 5'-Nucleotidase/CD73 is produced by our Mammalian expression system and the target gene encoding Trp29-Lys549 is expressed with a 6His tag at the C-terminus.
Stability:	12 months from date of despatch
Summary:	CD73, also known as Ecto-5'-nucleotidase, is an ectoenzyme that is attached to the cell membrane by a glycosyl phophatidylinositol anchor. The enzyme is expressed by most cell types. The 5â€ <sup>™</sup> -Nucleotidase activity of CD73 converts extracellular nucleoside-5â€ <sup>™</sup> - monophosphates to 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 hydrolyzes extracellular nucleotides into membrane permeable nucleosides.



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