

Product datasheet for **TP727889**

Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human CD73 (T376A, M379T,C-Fc)
Species:	Human
Expression cDNA Clone or AA Sequence:	Trp27-Lys547
Tag:	C-Fc
Buffer:	Supplied as a 0.2 um filtered solution of 20mM Tris-HCl, 120mM NaCl, 4mM CaCl ₂ , 20% Glycerol, pH 7.5.
Note:	Recombinant Human 5'-Nucleotidase is produced by our Mammalian expression system and the target gene encoding Trp27-Lys547 is expressed with a Fc tag at the C-terminus.
Storage:	Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Stability:	12 months from date of despatch
Synonyms:	5'-Nucleotidase; 5'-NT; Ecto-5'-Nucleotidase; CD73; NT5E; NT5; NTE
Summary:	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. Defects in NT5E are the cause of calcification of joints and arteries (CAJA). The recombinant CD73 lacking GPI anchor is secreted as a monomer.


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