
Product Data Sheet

Product Name: NT5E (CD73) Human

Cat. No.: GP24069

Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	NT; eN; NT5; NTE; eNT; CD73; E5NT; 5'-nucleotidase; 5'-NT; Ecto-5'-nucleotidase; NT5E.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MWELTILHTN DVHSRLEQTS EDSSKCVNAS RCMGGVARLF TKVQQIRRAE PNVLLLDAGD QYQGTIWFTV YKGAEVAHFM NALRYDAMAL GNHEFDNGVE GLIEPLLKEA KFPILSANIK AKGPLASQIS GLYLPYKVLP VGDEVVGIVG YTSKETPFLS NPGTNLVFED EITALQPEVD KLKTLNVNKI IALGHSGFEM DKLIAQKVRG VDVVVGGHSN TFLYTGN.		
Formulation	NT5E (CD73) protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 10% glycerol and 1mM DTT.		

Introduction

NT5E, also known as CD73, is a plasma membrane protein which catalyzes the conversion of extracellular nucleotides into membrane-permeable nucleosides. NT5E is functions as a determinant of lymphocyte differentiation. Defects in NT5E can cause the calcification of joints and arteries.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

NT5E (CD73) Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 247 amino acids (27-252 a.a) and having a molecular mass of 27kDa. NT5E (CD73) is fused to a 21 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Caution: Product has not been fully validated for medical applications. For research use only.

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