

AR51352PU-S**Human CD73 (27-252, His-tag) - Purified****Alternate names:**

5'-nucleotidase, NT5, NT5E, NTE

Quantity:

50 µg

Concentration:

0.25 mg/ml (determined by Bradford assay)

Background:

NT5E is a plasma membrane protein that catalyzes the conversion of extracellular nucleotides to membrane-permeable nucleosides. This protein is used as a determinant of lymphocyte differentiation. Defects in this gene can lead to the calcification of joints and arteries. Two transcript variants encoding different isoforms have been found for this gene.

Uniprot ID:[P21589](#)**NCBI:**[NP_002517](#)**GeneID:**[4907](#)**Species:**

Human

Source:

E. coli

Format:**State:** Liquid purified protein**Purity:** >90% by SDS - PAGE**Buffer System:** 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT**Description:**

Recombinant human NT5E protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MGSSHHHHH SGLVPRGSH MWELTILHTN DVHSRLQTS EDSSKCVNAS RCMGGVARLF
TKVQQIRRAE PNVLLLDAGD QYQGTIWFTV YKGAEVAHFM NALRYDAMAL GNHEFDNGVE
GLIEPLLKEA KFPILSANIK AKGPLASQIS GLYLPYKVLP VGDEVVGIVG YTSKETPFLS
NPGTNLVFED EITALQPEVD KLKTLNVNKI IALGHSGFEM DKLIAQKVRG VDVVVGGHSN
TFLYTGN

Molecular weight: 27.0 kDa (247aa)**Storage:**

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.
Avoid repeated freezing and thawing. Shelf life: one year from despatch.

General Readings:

Misumi Y., et al. (1990) Eur. J. Biochem. 191:563-569

Hansen K.R., et al. (1995) Gene. 167:307-312

Pictures:

