

**NT5E, 27-252aa, Human, His tag, E.coli**

**Cat.NO.: TP03208**

3th Edition

**Synonyms:**5'-nucleotidase, ecto, NT, eN, NT5, NTE, eNT, CD73, E5NT

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

**Form:**Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT

**Molecular Weight:**27.0 kDa (247aa)

**Sequences:**

MGSSHHHHHHSSGLVPRGSHMWELTILHTNDVHSRLEQTSSESSKCVNASRCMGGVARLFTKVQQIRRAEPNVL  
LLDAGDQYQGTIWFTVYKGAEVAHF MNALRYDAMALGNHEFDNGVEGLIEPLLKEAKFPILSANIKAKGPLASQISG  
LYLPYKVLPGDEVVGVGYSKETPFLSNPGTNLVFEDEITALQPEVDKLTNLVVKIILGHSGFEMDKLIAQKVRG  
VDVVGGHSNTFLYTGN

**Purity:**> 95% by HPLC

**Concentration:**0.25 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.