

**RPB250Hu01 20µg**  
**Recombinant 5"-Nucleotidase, Ecto (NT5E)**  
**Organism Species: Homo sapiens (Human)**  
***Instruction manual***

FOR IN VITRO USE AND RESEARCH USE ONLY  
NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

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12th Edition (Revised in Aug, 2016)

## **[ PROPERTIES ]**

**Source:** Prokaryotic expression.

**Host:** *E. coli*

**Residues:** Leu29~Thr500

**Tags:** N-terminal His-Tag

**Tissue Specificity:** Liver, Placenta.

**Subcellular Location:** Cell membrane; Lipid-anchor, GPI-anchor.

**Purity:** >92%

**Traits:** Freeze-dried powder

**Buffer formulation:** 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5%Trehalose and Proclin300.

**Original Concentration:** 200µg/mL

**Applications:** Positive Control; Immunogen; SDS-PAGE; WB.

(May be suitable for use in other assays to be determined by the end user.)

**Predicted isoelectric point:** 6.4

**Predicted Molecular Mass:** 53.6kDa

**Accurate Molecular Mass:** 53kDa as determined by SDS-PAGE reducing conditions.

## **[ USAGE ]**

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

## **[ STORAGE AND STABILITY ]**

**Storage:** Avoid repeated freeze/thaw cycles.

Store at 2-8°C for one month.

Aliquot and store at -80°C for 12 months.

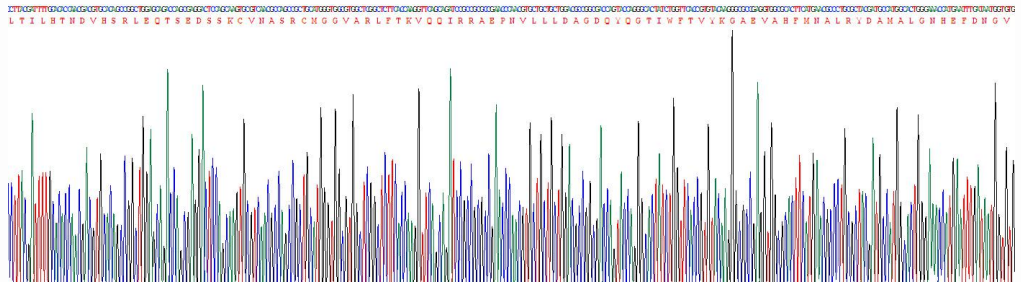
**Stability Test:** The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

**[ SEQUENCE ]**

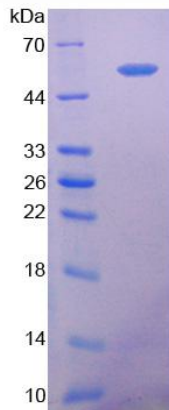
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                                     LT ILHTNDVHSR LEQTSSESSK
CVNASRCMGG VARLFTKVQQ IRRRAEPNLL LDAGDQYQGT IWFTVYKGAE
VAHFMNALRY DAMALGNHEF DNGVEGLIEP LLKEAKFPIL SANIKAKGPL
ASQISGLYLP YKVLPGVDEV VGIVGYTSKE TPFLSNPGTN LVFEDEITAL
QPEVDKLTNL NVNKIIALGH SGFEMDKLIA QKVRGVDVVV GGHSNTFLYT
GNPPSKEVPA GKYPFIIVTSD DGRKVPVVQA YAFGKYLGYL KIEFDERGNV
ISSHGNIPII NSSIPEDPSI KADINKWRIK LDNYSTQELG KTIVYLDGSS
QSCRFRFCNM GNLICDAMIN NNLRHTDEM FWNHVMCILN GGGIRSPIDE
RNNGTITWEN LAAVLPFGGT FDLVQLKGST LKKA FEHSVH RYQSTGEFL
QVGGIHVVYD LSRKPGDRVV KLDVLCTKCR VPSYDPLKMD EVYKVILPNF
LANGGDGFQM IKDELLRHDS GDQDINVVST YISKMKVIYP AVEGRIKFST
    
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**[ IDENTIFICATION ]**



**Figure 1. Gene Sequencing (Extract)**



**Figure 2. SDS-PAGE**