

**RPB250Ra01 50µg**  
**5'-Nucleotidase, Ecto (NT5E)**  
**Organism Species: Rattus norvegicus (Rat)**  
***Instruction manual***

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

9th Edition (Revised in Jul, 2013)

## [ **PROPERTIES** ]

**Residues:** Trp29~Phe550 (Accession # P21588),  
with N-terminal His-Tag.

**Host:** *E. coli*

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

**Purity:** >95%

**Endotoxin Level:** <1.0EU per 1µg  
(determined by the LAL method).

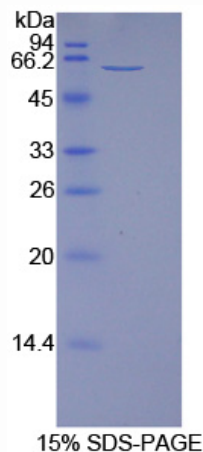
**Formulation:** Supplied as lyophilized form in PBS,  
pH7.4, containing 5% sucrose, 0.01% sarcosyl.

**Predicted isoelectric point:** 6.2

**Predicted Molecular Mass:** 59.6kDa

**Applications:** SDS-PAGE; WB; ELISA; IP.

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



## [ **USAGE** ]

Reconstitute in sterile PBS, pH7.2-pH7.4.

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## [ 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 of the target protein. 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. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

## [ SEQUENCES ]

The target protein is fused with N-terminal His-Tag, its sequence is listed below.

MGHHHHHSGSEF-WE LTIMHTNDVH SRLEQTSDDS TKCLNASLCV GGVARLFTKV  
QQIRKEPNV LLLDAGDQYQ GTIWFTVYKG LEVAHFMNLL GYDAMALGNH EFDNGVEGLI  
DPLLRNVKFP ILSANIKARG PLAPQISGLY LPYKVLVSVG EVVGIVGYTS KETPFLSNPG  
TNLVFEDEV T ALQPEVDK LK TLNVNKIAL GHSGFEMDKL IAQKVRGVDV VVGHTNTFL  
YTGNNP SKEV PAGKYPFIV T SDDGRKVPV V QAYAFGKYL G YLKV EFDK G NVVTSYGNPI  
LLNSTIREDA AIKADINQWR IKLDNYSTQE LGRTIVYLNG SAQE CRFREC NMGNLICDAM  
INNLRHPDE MFWNHVSMCI VNGGGIRSPI DERNNGTITW ENLAAVL PFG GTFDLVQLKG  
STLKKAFEHS VHRYGQSTGE FLQVGGIHVV YDISRKPWDR VVQLKVLCTK CRVPIYEPL  
MDKVYKVVLP SYLVNGGDGF QMIKDELLKH DSGDQDISVV SEYISKMKVI YPAVEGRIKF

## [ REFERENCES ]

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2. Stanojevic I., *et al.* (2011) Int. J. Dev. Neurosci. 29:397-403.
3. Bjelobaba I., *et al.* (2011) J. Neurosci. Res. 89:862-873.
4. Kaizer R.R., *et al.* (2007) Int. J. Dev. Neurosci. 25:381-386.

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