

**RPM011Hu01 100µg**

**Recombinant Peptidase D (PEPD)**

**Organism Species: Homo sapiens (Human)**

***Instruction manual***

FOR IN VITRO USE AND RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

10th Edition (Revised in Jan, 2014)

## **[ PROPERTIES ]**

**Residues:** Ala2~Lys493

**Tags:** Two N-terminal Tags, His-tag and T7-tag

**Accession:** P12955

**Host:** *E. coli*

**Purity:** >95%

**Endotoxin Level:** <1.0EU per 1µg

(determined by the LAL method).

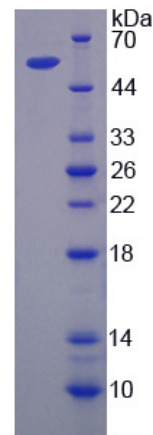
**Formulation:** Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.

**Predicted isoelectric point:** 5.6

**Predicted Molecular Mass:** 58.1kDa

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

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



15% SDS-PAGE

## **[ USAGE ]**

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

## **[ 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 sequence of the target protein is listed below.

AAATGPSFW LGNETLKVPL ALFALNRQRL CERLRKNPAV QAGSIVVLQG GEETQRYCTD  
TGVLFRRQESF FHWAFGVTEP GCYGVLDVDT GKSTLFPVRL PASHATWMGK IHSKEHFKEK  
YAVDDVQYVD EIASVLTSQK PSVLLTLRGV NTDSGVSVCRE ASFDGISKFE VNNTILHPEI  
VECRVFKTDM ELEVLRNTK ISSEAHREVM KAVKVGKEY ELESLEHYC YSRGGMRHSS  
YTCICGSGEN SAVLHYGHAG APNDRTIQNG DMCLFDMGGE YYCFASDITC SFPANGKFTA  
DQKAVYEAVL RSSRAVMGAM KPGVWVWVPMH RLADRIHLEE LAHMGILSGS  
VDAMVQAHLG AVFMPHGLGH FLGIDVHDVG GYPEGVERID EPGLRSLRTA RHLQPGMVLT  
VEPGIYFIDH LLDEALADPA RASFLNREVL QRFRGFGGVR IEEDVVVTDS GIELLTCVPR  
TVEEIEACMA GCDKAFTPFS GPK