#### Cloud-Clone Corp.

#### RPN011Hu01 10µg Recombinant Transmembrane Protein 173 (TMEM173) 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: Leu159~Pro373

Tags: Two N-terminal Tags, His-tag and T7-tagAccession: Q86WV6Host: E. coliSubcellular Location: Cell membrane;Perinuclear region.Purity: >95%Endotoxin Level: <1.0EU per 1µg</td>(determined by the LAL method).Formulation: Supplied as Iyophilized form in 20mM Tris,150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT,0.01% sarcosyl, 5% trehalose, and preservative.Predicted isoelectric point: 5.8Predicted Molecular Mass: 28.2kDaApplications: SDS-PAGE; WB; ELISA; IP.

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

## [USAGE]

Reconstitute in ddH<sub>2</sub>O.



## [ 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.

# [<u>SEQUENCES</u>]

The sequence of the target protein is listed below.

LA WSYYIGYLRL ILPELQARIR TYNQHYNNLL RGAVSQRLYI LLPLDCGVPD NLSMADPNIR FLDKLPQQTG DHAGIKDRVY SNSIYELLEN GQRAGTCVLE YATPLQTLFA MSQYSQAGFS REDRLEQAKL FCRTLEDILA DAPESQNNCR LIAYQEPADD SSFSLSQEVL RHLRQEEKEE VTVGSLKTSA VPSTSTMSQE PELLISGMEK PLP

#### [REFERENCES]

- 1. Zhong B., et al. (2008) Immunity 29:538-550.
- 2. Zhong B., et al. (2009) Immunity 30:397-407.
- 3. Ishikawa H., et al. (2009) Nature 461:788-792.
- 4. Li Y., et al. (2009) Proc. Natl. Acad. Sci. U.S.A. 106:7945-7950.