RPA684Bo01 10µg

Recombinant Mucin 5 Subtype B (MUC5B)

Organism Species: Bos taurus; Bovine (Cattle)

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: Gln6489~Tyr6632

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

Accession: F2FB42

Host: *E. coli*

Purity: >95%

Endotoxin Level: <1.0EU per 1µg

(determined by the LAL method).

Formulation: Supplied as lyophilized form in 100mM NaHCO3, 500mM NaCl, pH8.3, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.

Predicted isoelectric point: 6.3

Predicted Molecular Mass: 19.3kDa

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

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

kDa
70
44
33
26
22
18
14
10

15% SDS-PAGE
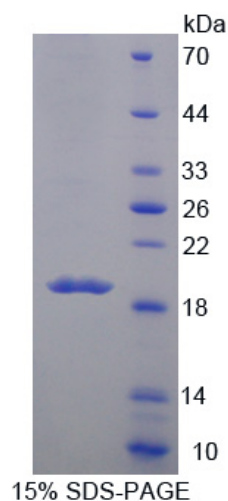
[USAGE]

Reconstitute in sterile ddH$_2$O.

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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 sequence of the target protein is listed below.

QC CGECVQTACL APDGQLVQLN ETWVNSLVDN CTEYHCQARD GPPMLTPMPV VCPDGGQVHS NMTVLRHRGC VTAVKVSFCE GSCPKSVPGA SHCLRTPKRL GAGYSMEAQA RQCSCSCCQE TRTHQEVVTM QCPDGTAFQH TY

[REFERENCES]

1. Hoorens P.R.Y. (2010) Submitted to the EMBL/GenBank/DDBJ databases.
2. Hoorens P.R., *et al.* (2011) BMC Genomics 12:140-140.
3. Desseyn JL., *et al.* (1998) J Biol Chem 273 (46): 30157–64.