RPU51556 Human 10µg

Recombinant Hyaluronan Binding Protein 2 (HABP2)

Organism Species: *Homo sapiens (Human)*

Instruction manual

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

12th Edition (Revised in Aug, 2016)

[PROPERTIES]

Source: Prokaryotic expression

Host: *E.coli*

Residues: Phe24~Phe560

Tags: N-terminal His Tag

Subcellular Location: Secreted

Purity: > 90%

Traits: Freeze-dried powder

Buffer formulation: 100mMNaHCO$_3$, 500mMNaCl, pH8.3, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 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: 6.0

Predicted Molecular Mass: 63.9kDa

Accurate Molecular Mass: 70kDa as determined by SDS-PAGE reducing conditions.

Phenomenon explanation:

The possible reasons that the actual band size differs from the predicted are as follows:

1.Splice variants: Alternative splicing may create different sized proteins from the same gene.

2. Relative charge: The composition of amino acids may affects the charge of the protein.

3. Post-translational modification: Phosphorylation, glycosylation, methylation etc.

4. Post-translation cleavage: Many proteins are synthesized as pro-proteins, and then cleaved to give the active form.

5. Polymerization of the target protein: Dimerization, multimerization etc.

[USAGE]

Reconstitute in 100mM NaHCO3, 500mM NaCl (pH8.3) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

Store at 2-8ºC for one month.

Aliquot and store at -80ºC 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]

FSLMSLL ESLDPDWTPD QYDYSYEDYN
QEENTSSTLT HAENPDWYYT EDQADPCQPN PCEHGGDCLV HGSTFTCSCL
APFSGNKCQK VQNTCKDNPC GRGQCLITQS PPYYRCVCKH PYTGPSCSQV
VPVCRPNPCQ NGATCSRHKR RSKFTCACPD QFKGKFCEIG SDDCYVGDGY
SYRGKMNRTV NQHACLYWNS HLLLQENYNM FMEDAETHGI GEHNFCRNPD
ADEKPWCFIK VTNDKVKWEY CDVSACSAQD VAYPEESPTE PSTKLPGFDS
CGKTEIAERK IKRIYGGFKS TAGKHPWQAS LQSSLPLTIS MPQGHFCGGA
LIHPCWVLTA AHCTDIKTRH LKVVLGDQDL KKEEFHEQSF RVEKIFKYSH
YNERDEIPHN DIALLKLKPV DGHCALESKY VKTVCLPDGS FPSGSECHIS
GWGVTETGKG SRQLLDAKVK LIANTLCNSR QLYDHMIDDS MICAGNLQKP
GQDTCQGDSG GPLTCEKDGT YYVYGIVSWG LECGKRPGVY TQVTKFLNWI
KATIKSESGF

[IDENTIFICATION]

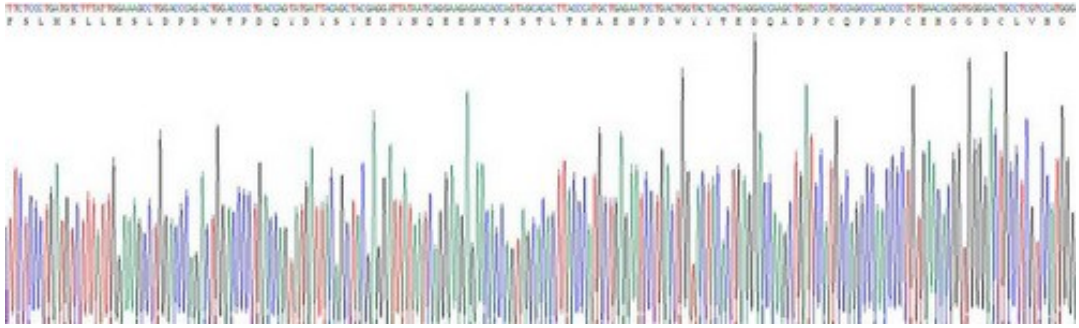

Figure. Gene Sequencing (Extract)

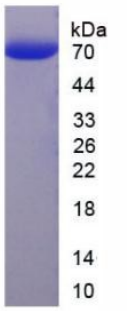

Figure. SDS-PAGE

[IMPORTANT NOTE]

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.