RPA047Rb01 50µg

Recombinant Hepatocyte Growth Factor (HGF)

Organism Species: Oryctolagus cuniculus (Rabbit)

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: Gln32~Arg494

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

Accession: C9E9X4

Host: *E. coli*

Purity: >95%

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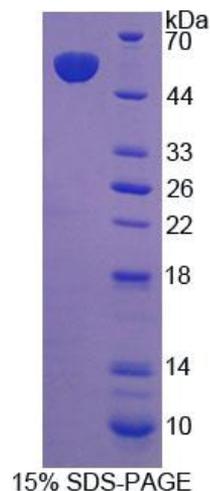
(determined by the LAL method).

Formulation: Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.

Predicted isoelectric point: 8.1

Predicted Molecular Mass: 57.2kDa

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 ddH$_2$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.

[SEQUENCES]

The sequence of the target protein is listed below.

QKKRRNTLH EFKKSAKTIL IKEDPLLKIK TKKMNTADQC ANRCIRNKGL PFTCKAFVFD
KTKKRCLWFP FNSMSSGVKK EFGHEFDLYE NKDYIRNCII GKGGSYKGTV SITKSGIKCQ
PWSSMIPHEH SFLPSSYRGK DLQENYCRNP RGEEGGPWCF TSNPEVRYEV
CDIPQCSEVE CMTCNGESYR GPMDHTESGK ICQRWDHQTP HRHKFLPERY
PDKGFDDNYC RNPDGKPRPW CYTLDPDTPW EYCAIKMCAH SIMNDTDVPM
ETTECIQGQG EGYRGTINTI WNGIPCQRWD SQYPHQHDIT PENFKCKDLR ENYCRNPDGA
ESPWCFTTDP NIRVGYCSQI PKCDVSSGQD CYLGNGKNYM GNLSKTRSGL
TCSMWDKNME DLHRHTFWEP DASKLNKNYC RNPDDDAHGP WCYTGNPLVP
WDYCPLARCE GDTTPTIVNL DHPVVSCAKT KQLR

[REFERENCES]

1. Baron W.F., Juan T. (2009) Submitted to the EMBL/GenBank/DDBJ databases.
2. Gallagher, J.T., Lyon, M. (2000) In Iozzo, M, V. Proteoglycans: structure, biology and molecular interactions. Marcel Dekker Inc. New York, New York. pp. 27–59.
3. Bottaro DP., *et al.* (1991) Science 251 (4995): 802–4.
4. Hahn W., *et al.* (2011) The Journal of Gene Medicine 13 (10): 549–55.