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YBA542Ra01 100μg

Endostatin (ES)

Organism Species: Rattus norvegicus (Rat)

Instruction manual

**FOR IN VITRO USE AND RESEARCH USE ONLY
NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES**

8th Edition (Revised in Jun, 2013)

[PROPERTIES]

Residues: Ser1296~Gly1488 (Accession # F1LR02), with two N-terminal Tags, His-tag and GST-tag.

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% sucrose, 0.01% sarcosyl.

Predicted isoelectric point: 7.8

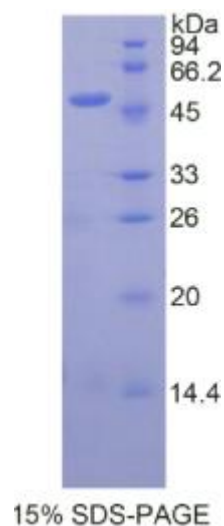
Predicted Molecular Mass: 48.7kDa

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

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

[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 target protein is fused with two N-terminal Tags, His-tag and GST-tag, its sequence is listed below.

**MRNKKFELGL EFPNLPYYID GDVKLTQSMA IIRYIADKHN MLGGCPKERA EISMLEGAVL
DIRYGVSRIA YSKDFETLKV DFLSKLPEML KMFEDRLCHK TYLNGDHVTH PDFMLYDALD
VVLYMDPMCL DAFPKLVCFK KRIEAIQID KYLKSSKYIA WPLQGWQATF GGGDHPPKSD
GSTSGSGHHH HHHSAGLVPR GSTAIGMKET AAKFERQHM DSPDLGTLEV LFQ
GP LG S EF- S YP TA RPW RA D DI LA NP PR LP DR Q P YPG V PH H HH S HE HR P PAH PS
PSPAHTHQDF HPVLHLVALN TPLSGGM RGI RGADFQCFQQ ARAVGLSGTF RAFLSSRLQD
LYSIVRRADR SSVPIVNLKD EVLSPSWDTL FSGSQGQLHS GARIFSFDGR DVLRHPAWPQ
KSVWHGSDPS GRRLMESYCE TWRTEATG**

[REFERENCES]

- 1. Gibbs R.A., *et al.* (2004) Nature 428:493-521.**
- 2. Pufe T., *et al.* (2006) Ann. Anat. 187 (5-6): 461-72.**
- 3. Tomono Y., *et al.* (2002) Cell Struct. Funct. 27 (1): 9-20.**
- 4. Ergün S., *et al.* (2002) Angiogenesis 4 (3): 193-206.**