

P92520Ra51 10 μ g
Hyaluronan Synthase 1 (HAS1)
Organism: *Rattus norvegicus* (Rat)
Instruction manual

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

6th Edition (Revised in March, 2013)

[**PROPERTIES**]

Residues: Met1~Val583 (Accession # Q8CH93).

Host: *S. cerevisiae*

Purity: >95%

Endotoxin Level: <1.0EU per 1 μ g

(determined by the LAL method).

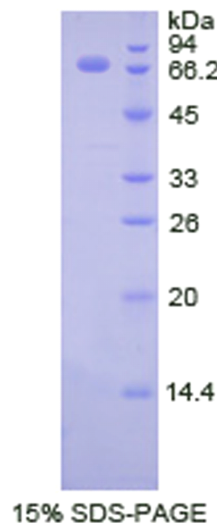
Formulation: Supplied as lyophilized form in PBS,
pH7.4, containing 5% sucrose, 0.01% sarcosyl.

Predicted isoelectric point: 9.1

Predicted Molecular Mass: 67.8kDa

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.

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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 target protein is listed below.

EAEAYVEF- MRQDMPKPSE AARCCSGLAR RVLITIFALL ILGLMTWAYA AGVPLASDPY
GLLAFLGLYGA FLSAHLVAQS LFAYLEHRRV TVAARRAFK GPLDAATARS VALTISAYQE
DPTYLRLQCLT SARALLYPRT RLRVLMVVDG NRAEDLYMVD MFREVFADDED PATYVWDGNY
HQPWEPAEAA GAVGEGAYRE VEAEDPGRLA VEALVRTRRC VCVAQRWGGK
REVMYAFKA LGDSVDYVQV CSDSTRLDPM ALLELVRVLD EDPRVGAVGG DVRILNPLDS
WVSFLSSLRY WVAFNVERAC QSYFHCVSCI SGPLGLYRNN LLQGFLEAWY NQKFLGTHCT
FGDDRHLTNR MLSMGYATKY TSRSRCYSET PSSFLRWLSQ QTRWSKSYFR
EWLYNALWWH RHHAWMTYEA VVSGLFPPFFV AATVLRIFYA GRPWALLWVL LCVQGVALAK
AAFAAWLRGC LRMVLLSLYA PLYMCGLLPA KFLALVTMNQ SGWGTSGRKK LAANYVPVLP
LALWALLLLG GLIRVAQEV RADWSGPSRA AEAYHLAAGA SAYVAYWVIM LTIYWVGVR
LCRRRSGGYR VQV -HHHHHHAAAN

[REFERENCES]

1. Itano N., *et al.* (2004) J. Biol. Chem. 279:18679-18687.
2. Gibbs R.A., *et al.* (2004) Nature 428:493-521.
3. Kabilova NO., *et al.* (2009) Dokl Biochem Biophys. 425:61-4.
4. Selbi W., *et al.* (2006) J Am Soc Nephrol. 17(6):1553-67.

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