



DATA SHEET

P90259Ga01
Annexin A5 (ANXA5)
Organism: Gallus(Chicken)
Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY
NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES

3th Edition (Revised in February, 2012)

[DESCRIPTION]

Protein Names: Annexin A5
Gene Names: ANXA5
Size: 100µg
Source: Recombinant
Expression Host: *E. coli*
Function: Collagen-binding protein.

[PROPERTIES]

Residues: Met1~Glu321 (Accession # P17153), with a N-terminal His-tag.
Grade & Purity: >97%, 37.4 kDa as determined by SDS-PAGE reducing conditions.
Form & Buffer: Supplied as lyophilized form in PBS, pH 7.4.
Endotoxin Level: <1.0 EU per 1µg (determined by the LAL method).
Applications: SDS-PAGE; WB; ELISA; IP.
(May be suitable for use in other assays to be determined by the end user.)
Predicted Molecular Mass: 37.4 kDa

[**PREPARATION**]

Reconstitute in PBS.

[**STORAGE AND STABILITY**]

Storage: Store at 4°C for short time storage (1-2 weeks). Aliquot and store at -20°C or -80°C for long term storage. Avoid repeated freeze/thaw cycles.

Valid period: 12 months stored at -80°C.

[**BACKGROUND**]

The target protein is fused with a His-tag and its sequence is listed below. The first Met is an initiator amino acid. Moreover, Gly and Ser are added to improve the flexibility of N-terminus at both ends of the His-tag, which will increase the chelating ability of the tag to Ni-Sepharose during purification.

MGHHHHHSGS-MAKYTRGTVT AFSPFDARAD AEALRKAMKG MGTDEETILK ILTSRNNAQR QEIASAFKTL
FGRDLVDDLK SELTGKFETL MVSLMRPARI FDAHALKHAI KGAGTNEKVL TEILASRTPA EVQNIKQVYM
QEYEANLEDK ITGETSGHFQ RLLVLLQAN RDPDGRVDEA LVEKDAQVLF RAGELKWGTD EETFITILGT
RSVSHLRRVF DKYMTISGFQ IEETIDRETS GDLEKLLAV VKCIRSVPAY FAETLYYSMK GAGTDDDTLI
RVMVSRSEID LLDIRHEFRK NFAKSLYQMI QKDTSGDYRK ALLLLCGGDD E

[**REFERENCES**]

1. Bewley M.C., et al. (1993) Biochemistry 32:3923-3929.
2. Fernandez M.-P., et al. (1994) Gene 141:179-186.
3. Boustead C.M., et al. (1993) Biochem. J. 291:601-608.



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