

P86792Ra01
Galectin 5 (GAL5)
Organism: Rattus norvegicus (Rat)
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: Galectin 5
Gene Names: GAL5
Size: 100µg
Source: Recombinant
Expression Host: *E. coli*
Function: May function in erythrocyte differentiation.
Tissue Specificity: Erythrocytes.

[PROPERTIES]

Residues: Met1~Thr145 (Accession # P47967), with a N-terminal His-tag.
Grade & Purity: >97%, 17.4 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: 17.4 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-MSSFSTQTPY PNLAVPFFTS IPNGLYPSKS IVISGVVLSL AKRFQINLRC GGDI AFHLNP
RFDENAVVRN TQINNSWGPE ERS L PG SMPF SRGQRFSVWI LCEGHCFKVA VDGQHICEYS HRLMNL PDIN
TLEVAGDIQL THVET

