



Recombinant Rat Galectin-3-binding protein (Lgals3bp)

Product Code	CSB-EP012888RA-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O70513
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	>85% (SDS-PAGE)
Sequence	AK DGDMLVNGA SASEGRVEIF YRGRWGTVCD NLWNLLDAHV VCRALGYENA TQALSRAAFG PGKGPIMLDE VECTGNESSL ANCSSLGWMV SHCGHEKDAG VVCSNDSRGI HILDLSGELP DALGQIFDSQ QDCDLFIQVT GQGHGDLSLC AHTLILRTNP EAQALWQVVG SSVIMRVD AE CMPVVRDFLR YFYRRRIEVS MSSVKCLHKL ASAYGATELQ GYCGRLFVTL LPQDPTFHTP LELYEYAQAT GDSVLEDLCV QFLAWNFEPL TQAEAWLSVP NALIQALLPK SELAVSSELD LLKAVDQWST ATGASHGDVE RLVEQIRFPM MLPQELFELQ FNLSLYQGHQ ALFQRKTMEA LEFHTVPLKV LAKYRSLNLT EDVYKPRLYT SSTWSSLLMA GAWSTQSYKY RQFYTYNYGS QSRYSYQNF QTPQHPSFLF KDKLISWSAT YLPTIQSCWN YGFSCTSDEL PVLGLTTSSY SDPTIGYENK ALILCGGYSV VDVTTFIGSK APIPGTQETN SSKTPSLFPC ASGAFSSFRV VIRPFYLTNS TDTE
Source	E.coli
Target Names	Lgals3bp
Protein Names	Recommended name: Galectin-3-binding protein Alternative name(s): Cyp-C-associated protein Short name= CyCAP Lectin galactoside-binding soluble 3-binding protein Mac-2-binding protein Short name= MAC2BP Short name= Mac
Expression Region	19-574
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	The galectins are a family of beta-galactoside-binding proteins implicated in modulating cell-cell and cell-matrix interactions. LGALS3BP has been found elevated in the serum of patients with cancer and in those infected by the human immunodeficiency virus (HIV). It appears to be implicated in immune response associated with natural killer (NK) and lymphokine-activated killer (LAK) cell cytotoxicity. Using fluorescence in situ hybridization the full length 90K cDNA has been localized to chromosome 17q25. The native protein binds specifically to a human macrophage-associated lectin known as Mac-2 and also binds galectin 1.



Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.