

ARG70149 Human Galectin 7 recombinant protein (Active) (His-tagged, N-ter)

Package: 100 µg, 20 µg
Store at: -20°C

Summary

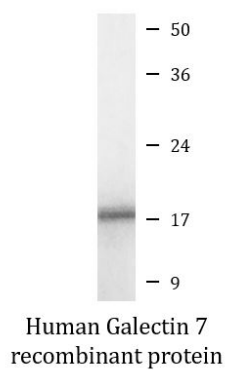
Product Description	E. coli expressed, His-tagged (N-ter) Active Human Galectin 7 recombinant protein
Tested Application	SDS-PAGE
Target Name	Galectin 7
Species	Human
A.A. Sequence	Ser2 - Phe136
Expression System	E. coli
Activity	Active
Activity Note	Determined by its ability to agglutinate human red blood cells. The ED50 for this effect is < 2 µg/mL
Alternate Names	GAL7; Gal-7; HKL-14; LGALS7A; Galectin-7; p53-induced gene 1 protein; PI7

Properties

Form	Powder
Purification Note	Endotoxin level is less than 0.1 EU/µg of the protein, as determined by the LAL test.
Purity	> 98% (by SDS-PAGE)
Buffer	PBS (pH 7.4)
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min at room temperature to make sure the protein is dissolved completely.
Storage instruction	For long term, lyophilized protein should be stored at -20°C or -80°C. After reconstitution, aliquot and store at -20°C or -80°C for up to one month. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	LGALS7
Gene Full Name	lectin, galactoside-binding, soluble, 7
Background	The galectins are a family of beta-galactoside-binding proteins implicated in modulating cell-cell and cell-matrix interactions. Differential and in situ hybridization studies indicate that this lectin is specifically expressed in keratinocytes and found mainly in stratified squamous epithelium. A duplicate copy of this gene (GeneID:653499) is found adjacent to, but on the opposite strand on chromosome 19. [provided by RefSeq, Jul 2008]
Function	Could be involved in cell-cell and/or cell-matrix interactions necessary for normal growth control. Pro-apoptotic protein that functions intracellularly upstream of JNK activation and cytochrome c release. [UniProt]
Cellular Localization	Cytoplasm. Nucleus. Secreted. Note=May be secreted by a non-classical secretory pathway. [UniProt]



ARG70149 Human Galectin 7 recombinant protein (Active) (His-tagged, N-ter) SDS-PAGE image

SDS-PAGE analysis of ARG70149 Human Galectin 7 recombinant protein (Active) (His-tagged, N-ter).