

Galectin 1 (GAL1) Active Protein | GAL1 active protein

Active Galectin 1 (GAL1)

CATALOG # AAA153032	HOST E coli	APPLICATIONS Activity Assay, Cell Culture
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PRODUCT SYNONYMS

Galectin 1 (GAL1); Active Galectin 1 (GAL1); Galectin 1; GAL1 active protein (prokaryotic); Human; LGALS1; GBP; HLBP14; Galaptin; Lectin; Galactoside-Binding Soluble 1; 14 kDa laminin-binding protein; Lactose-binding lectin 1; Putative MAPK-activating protein PM12; S-Lac lectin; GAL1 active protein

PRODUCT SPECIFICATIONS

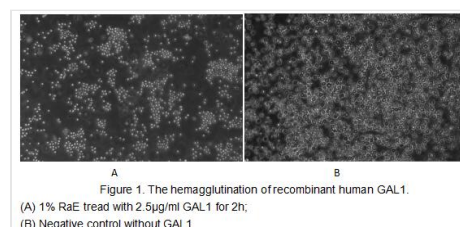
Host	E coli
Purity/Purification	Greater than 97% by SDS-PAGE
Form/Format	PBS, pH7.4, containing 0.01% SKL, 5% Trehalose. Freeze-dried powder
Sequence Positions	Met1~Asp135
Applicable Applications for GAL1 active protein	Activity Assay, Cell Culture
Expression System	Prokaryotic expression
Species	Human
Tag	N-terminal His
Endotoxin Level	<1.0EU per 1ug (determined by the LAL method)
Isoelectric Point	5.1
Research Area	Tumor immunity
Preparation and Storage	Store at 2-8 degree C for one month, -80 degree C for 12 months Stable for 12 months if correctly stored.

IMAGES



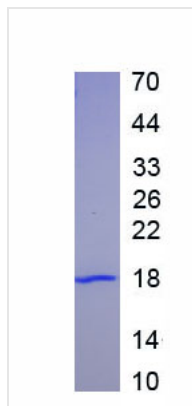
Bioactivity

Figure 2. The hemagglutination assay of GAL1 in V- bottom shaped 96-well microtiter plate.



Bioactivity

Galectins are a family of carbohydrate-binding proteins with an affinity for beta-galactosides. Galectin-1 (GAL1) is differentially expressed by various normal and pathological tissues and appears to be functionally polyvalent, with a wide range of biolog



SDS-PAGE
Figure. SDS-PAGE

ADDITIONAL INFORMATION

Product Categories/Family for GAL1 active protein	Active proteins
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4504981
NCBI GeneID	3956
NCBI Accession #	NP_002296.1
NCBI GenBank Nucleotide #	NM_002305.3
UniProt Accession #	P09382; Q9UDK5; B2R5E8
Molecular Weight	14,716 Da
NCBI Official Full Name	galectin-1
NCBI Official Synonym Full Names	lectin, galactoside-binding, soluble, 1
NCBI Official Symbol	LGALS1
NCBI Official Synonym Symbols	GBP; GAL1
NCBI Protein Information	galectin-1; HBL; HPL; gal-1; HLBP14; galaptin; galectin 1; 14 kDa lectin; S-Lac lectin 1; lactose-binding lectin 1; 14 kDa laminin-binding protein; putative MAPK-activating protein PM12; beta-galactoside-binding lectin L-14-I; beta-galactoside-binding pro
UniProt Protein Name	Galectin-1
UniProt Gene Name	LGALS1
UniProt Synonym Gene Names	Gal-1; HLBP14
UniProt Entry Name	LEG1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.