

Recombinant Human Galectin-1(LGALS1)

Catalog No: #AP70493

Package Size: #AP70493-1 20ug #AP70493-2 100ug #AP70493-3 1mg

Description

Product Name	Recombinant Human Galectin-1(LGALS1)
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:2-135aaSequence Info:Full Length
Other Names	14KDA laminin-binding protein ;HLBP1414KDA lectin;Beta-galactoside-binding lectin L-14-IGalaptinHBLHPLLactose-binding lectin 1Lectin galactoside-binding soluble 1;Putative MAPK-activating protein PM12S-Lac lectin 1
Accession No.	P09382
Calculated MW	30.6 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	ACGLVASNLNLKPGECRLVRGEVAPDAKSFVLNLGKDSNNLCLHFNPRFNAHGDANTIVCNSKDGGAWGTE QREAVFPFQPGSVAEVCITFDQANLTVKLDPGYEFKFPNRLNLEAINYMAADGDFKIKCVAFD
Formulation	Tris-based buffer50% glycerol
Storage	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.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

May regulate apoptosis, cell proliferation and cell differentiation. Binds beta-galactoside and a wide array of complex carbohydrates. Inhibits CD45 protein phosphatase activity and therefore the dephosphorylation of Lyn kinase. Strong inducer of T-cell apoptosis.

References

Cloning and nucleotide sequence of a full-length cDNA for human 14KDA beta-galactoside-binding lectin.Hirabayashi J., Ayaki K., Soma G., Kasai K.Biochim. Biophys. Acta 1008:85-91(1989)Research Topic:Cell Biology

Note: This product is for in vitro research use only and is not intended for use in humans or animals.