

Galectin-1/LGALS1, Human, Recombinant

Cat. No. : GPCK285

产品信息

物种	Human
表达宿主	E.coli
序列信息	ACGLVASNLNLKPGECLRVGEVAPDAKSFVLNLGKDSNNLCLHFNPRFNAHGDANTIVCNSK DGGAWGTEQREAVFPFQPGSVAEVCITFDQANLTVKLDPDGYEFKFPNRLNLEAINYMAADGDF KIKCVAFD with polyhistidine tag at the N-terminus.
检索号	P09382.2
标签	His-tag at the N-terminus
分子量	15.5 kDa
有效期	12 months
生物活性	Measured by its ability to agglutinate human red blood cells. The ED50 for this effect is < 2 µg/mL.

产品特性

内毒素 (EU/µg)	< 0.1
保存	Lyophilized protein should be stored at -5~-20°C for 1 year. Upon reconstitution, store at 2-8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1% BSA, 10% FBS, 5% HSA or 5% trehalose solution), protein aliquots should be stored at -5~-20°C or -80°C for 3-6 months.
运输	Ambient temperature or ice pack.
制剂	The protein was lyophilized from a 0.2 µm filtered solution containing 1 × PBS, pH 7.4.
复溶	It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 100 µg/mL. Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

背景介绍

The galectin-1 protein is 135 amino acids in length and highly conserved across species. It can be found in the nucleus, the cytoplasm, the cell surface and in the extracellular space. Galectins, in general, lack a traditional signal sequence but are still secreted across the plasma membrane. Although galectins in general, and Gal-1 in particular, were first described as lectins that bind β -galactosides, it is now clear from the literature that as well as being a lectin, Gal-1 is also engaged in many protein-protein interactions. Gal-1 plays a number of crucial roles in neuronal cell differentiation and survival in both the central and the peripheral nervous systems, and the establishment and maintenance of T-cell tolerance and homeostasis in vivo.

