
Product Data Sheet

Product Name: LGALS14 Human
 Cat. No.: GP20295
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Placental protein 13-like; Charcot-Leyden crystal protein 2; CLC2; Galectin-14; Gal-14; LGALS14; PPL13; MGC22235.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMSSLPVP YTLPVSLPVG SCVIITGTPI LTFVKDPQLE VNFYTGMDDED SDIAFQFRLH FGHPAIMNSR VFGIWRYYEEK CYYLPFEDGK PFELCIYVRH KEYKVMVNGQ RIYNFAHRFP PASVKMLQVL RDISLTRVLI SD.		
Formulation	The LGALS14 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 20% glycerol, 0.1M NaCl and 1mM DTT.		

Introduction

Galectin14, aka LGALS14, is a member of the galectin family of carbohydrate binding proteins. Galectin family members contain one or two carbohydrate recognition domains, which can bind beta-galactoside. The LGALS14 gene is predominantly expressed in the placenta. LGALS14 is expressed intracellularly in the placenta and eosinophils and is released by eosinophils following allergen stimulation. LGALS14 may be involved in the development of allergic inflammation.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

LGALS14 Human Recombinant fused with a 23 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 162 amino acids (1-139 a.a.) and having a molecular mass of 18.5kDa. The LGALS14 is purified by

Caution: Product has not been fully validated for medical applications. For research use only.

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proprietary chromatographic techniques.

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