

LGALS9 Human

Description: LGALS9 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 168 amino acids (1-148 a.a.) and having a molecular mass of 18.5 kDa. Galectin-9 is fused to 20 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques.

Catalog #: CYP5-715

For research use only.

Synonyms: Lectin galactoside-binding soluble 9, Urate transporter/channel protein, LGALS9A, MGC125973, HUAT, Ecalectin, Galectin-9, MGC117375, MGC125974, HOM-HD-21, LGALS9.

Source: Escherichia Coli.

Physical Appearance: Sterile filtered colorless solution.

Amino Acid Sequence: MGSSHHHHHH SSGLVPRGSH MAFSGSQAPY LSPAVPFSGT
IQGGLQDGLQ ITVNGTVLSS SGTRFAVNFQ TGFSGNDIAF HFNPRFEDGG YVVCNTRQNG
SWGPEERKTH MPFQKGMPFD LCFLVQSSDF KVMVNGILFV QYFHRVPFHR VDTISVNGSV
QLSYISFQ.

Purity: Greater than 90.0% as determined by SDS-PAGE.

Formulation:

The LGALS9 protein solution contains 20mM Tris-HCl, pH-8, 100mM NaCl and 20% glycerol.

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.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

LGLAS9 binds galactosides and has high affinity for the Forssman pentasaccharide. LGLAS9 participates in thymocyte-epithelial interactions relevant to the biology of the thymus and inhibits cell proliferation. LGLAS9 is a ligand for HAVCR2/TIM3. LGLAS9 induces T-helper type 1 lymphocyte (Th1) death. LGLAS9 performs as an eosinophil chemoattractant. LGLAS9 is an S-type lectin which is over-expressed in Hodgkin's disease tissue and takes part in the interaction between the H&RS cells with their surrounding cells.

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