



Galectin-9, His tag, mouse recombinant (rmLGALS9-His)

Catalog No: 97637
Lot No: XXXXX
Source: *E. coli*
Synonyms: Galectin-9, Gal-9, Lgals9, Lgals5, LGALS35, AA407335, AI194909, AI265545

Background

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.

Description

LGALS9 mouse recombinant produced *E. coli* is a single polypeptide chain containing 345 amino acids (1-322) and having a molecular mass of 38 kDa. LGALS9 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Physical Appearance

Sterile filtered colorless solution.

Formulation

The LGALS9 solution (0.5 mg/ml) contains 20 mM Tris-HCl buffer (pH 8.0), 0.4 M Urea and 10% 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.

Purity

Greater than 90.0% as determined by SDS-PAGE.

Amino Acid Sequence

MGSSHHHHHH SSSLVPRGSH MGSMA LFSAQ SPYINPIIPF TGPIQGGLQE GLQVTLQGT T KSFAQRFVVN FQNSFNGNDI
AFHFNPRFEE GGYVVCNTKQ NGQWGPEERK MQMPFQKGMF FELCFLVQRS EFKVMVNKKF FVQYQHRVPY HLVDTIIVSG
CLKLSFITFQ TQNFRPAHQA PMAQTTHMV HSTPGQMFST PGIPPVVYPT PAYTIPFYTP IPNGLYPSKS IMISGNVLPD
ATRFHINLRC GGDI AFHLNP RFNENAVVRN TQINNSWGQE ERSLLGRMPF SRGQSFSVWI ICEGHCFKVA VNGQHMCEYY
HRLKNLQDIN TLEVAGDIQL THVQT

Usage

This product is offered by Biomol for research purposes only. Not for diagnostic purposes or human use. It may not be resold or used to manufacture commercial products without written approval of Biomol GmbH.

CONTACT US TODAY

BIOMOL GmbH • Kieler Straße 303a • 22525 Hamburg • Germany • info@biomol.de • www.biomol.de

Fon: +49 (0)40-853 260 0 • TOLL FREE IN GERMANY: Fon: 0800-246 66 51