

HUMAN LGALS3BP PROTEIN, HFC TAG**Cat.#:** 11626**Product Name:** Human LGALS3BP Protein**Size:** 10 µg, 50 µg and 100 µg**Synonyms:** 90K;BTBD17B;CyCAP;gp90;M2BP;MAC-2-BP;TANGO10B**Target:** LGALS3BP**UNIPROT ID:** Q08380**Description:** Recombinant human LGALS3BP protein with C-terminal human Fc tag**Background:** The galectins are a family of beta-galactoside-binding proteins implicated in modulating cell-cell and cell-matrix interactions. LGALS3BP has been found elevated in the serum of patients with cancer and in those infected by the human immunodeficiency virus (HIV). It appears to be implicated in immune response associated with natural killer (NK) and lymphokine-activated killer (LAK) cell cytotoxicity. Using fluorescence in situ hybridization the full length 90K cDNA has been localized to chromosome 17q25. The native protein binds specifically to a human macrophage-associated lectin known as Mac-2 and also binds galectin 1.**Species/Host:** HEK293**Molecular Weight:** The protein has a predicted molecular mass of 87.89 kDa after removal of the signal peptide.**Molecular Characterization:** LGALS3BP(Val19-Asp585) hFc(Glu99-Ala330)**Purity:** The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.**Formulation & Reconstitution:** Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.**Storage & Shipping:** Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.