Recombinant Human Galectin-3 Protein (His Tag)

RPES8082

Product Information

Product SKU:	RPES8082	**Expression Host**:	E.coli	**Size**:	20µg
Tag:	N-His	**Reactivity**:	Human	**Accession**:	P17931

Additional Information

Calculated MW:	27.4 kDa	**Observed MW:**	32 kDa
Sequence:	2Ala-250Ile		

Protein Information

Background: Galectin-3 (Galectin 3) is a Protein Coding gene. This gene encodes a member of the galectin family of carbohydrate-binding proteins. The encoded protein is characterized by an N-terminal proline-rich tandem repeat domain and a single C-terminal carbohydrate recognition domain. Galectin-3 is a beta-galactoside-binding lectin and plays a role in numerous cellular functions including apoptosis, innate immunity, cell adhesion, and T-cell regulation. Galectin-3 has an important role in tumor progression through inhibition of apoptosis. Galectin-3 expression is associated with neoplastic transformation and with differentiation of monocytes to macrophages. Elevated expression of Galectin-3 has been demonstrated in the synovium of rheumatoid arthritis (RA). Diseases associated with Galectin-3 include Follicular Adenoma and Papillary Carcinoma.

Synonyms: MAC, Galactose-specific lectin, Galactoside-Binding Soluble, Galectin, Lectin L, GAL, CBP, LGALS3, CBP35, GAL3, GALBP, GALIG, L31, LGALS2, MAC2, Galactoside-Binding Soluble 3, Lectin, Galectin-3, Gal-3, L-31, 35 kDa lectin, CBP 35, Galactose-specific lectin 3, IgE-binding protein, Laminin-binding protein, Lectin L-29, Mac-2 antigen, Carbohydrate binding protein 35, Carbohydrate-binding protein 35, galactose binding, galactoside binding soluble 3, Galactoside-binding protein, galectin 3, Galectin 3 internal gene, Galectin3, GBP, IgE binding protein, included, L 31, L 34, L-

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	34 galactoside-binding lectin, Lectin, Galactoside-Binding Soluble 3, LEG3, MAC 2 antigen, Mac-2, Macrophage galactose-specific lectin, MGC105387, P35, soluble 3
Endotoxin:	< 10 EU/mg of the protein as determined by the LAL method
Formulation:	Lyophilized from a 0.2 µm filtered solution in PBS with 5% Trehalose and 5% Mannitol.
Purity:	> 90% as determined by reducing SDS-PAGE.
Bio-Activity:	Not validated for activity
Storage:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ for 3 months.

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