

Product datasheet for **TP720671M**

Mannan Binding Lectin (MBL2) (NM_000242) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human mannanose-binding lectin (protein C) 2, soluble (MBL2)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	Glu21-Ile248
Tag:	C-His
Predicted MW:	25.06 kDa
Concentration:	lot specific
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Lyophilized from a 0.2 um filtered solution of 20mM PB, 150mM NaCl, 5% Threhalose, pH 7.2.
Endotoxin:	Endotoxin level is < 0.1 ng/μg of protein (< 1 EU/μg)
Storage:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Stability:	Stable for at least 6 months from date of receipt under proper storage and handling conditions.
RefSeq:	NP_000233
Locus ID:	4153
UniProt ID:	P11226
RefSeq Size:	3569
Cytogenetics:	10q21.1
RefSeq ORF:	744
Synonyms:	COLEC1; HSMBPC; MBL; MBL2D; MBP; MBP-C; MBP1; MBPD



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Summary:

This gene encodes the soluble mannose-binding lectin or mannose-binding protein found in serum. The protein encoded belongs to the collectin family and is an important element in the innate immune system. The protein recognizes and binds to mannose and N-acetylglucosamine on many microorganisms, including bacteria, yeast, and viruses including influenza virus, HIV and SARS-CoV. This binding activates the classical complement pathway. Deficiencies of this gene have been associated with susceptibility to autoimmune and infectious diseases. [provided by RefSeq, Jun 2020]

Protein Families:

Druggable Genome

Protein Pathways:

Complement and coagulation cascades