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Product datasheet for AR50636PU-S

Mannan Binding (108-248, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Mannan Binding Protein (108-248, His-tag) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSAASERKA LQTEMARIKK WLTFSLGKQV GNKFFLTNGE IMTFEKVKAL CVKFQASVAT PRNAAENGAI QNLIKEEAFL GITDEKTEGQ FVDLTGNRLT YTNWNEGEPN NAGSDEDCVL LLKNGQWNDV PCSTSHLAVC EFPI
Tag:	His-tag
Predicted MW:	18 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 2M Urea, 20% glycerol, 0.2M Nacl
Preparation:	Liquid purified protein
Protein Description:	Recombinant human MBL2 protein, fused to His-tag at N-terminus, was expressed in E.coli.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_000233
Locus ID:	4153
UniProt ID:	P11226
Cytogenetics:	10q21.1
Synonyms:	COLEC1; HSMBPC; MBL; MBL2D; MBP; MBP-C; MBP1; MBPD

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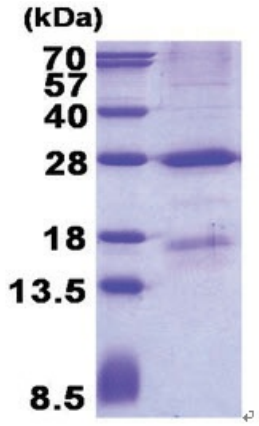
Summary: This gene encodes the soluble mannose-binding lectin or mannose-binding protein found in serum. The protein encoded belongs to the collectin family and is an important element in the innate immune system. The protein recognizes and binds to mannose and N-acetylglucosamine on many microorganisms, 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

Product images:



15% SDS-PAGE (3ug)