

Recombinant Human Mannose-binding protein C

Catalog No: #AP72665



Package Size: #AP72665-1 20ug #AP72665-2 100ug #AP72665-3 1mg

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Description

Product Name	Recombinant Human Mannose-binding protein C
Brief Description	Recombinant Protein
Host Species	Yeast
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:21-248aaSequence Info:Full Length
Other Names	Collectin-1MBP1Mannan-binding protein;Mannose-binding lectin
Accession No.	P11226
Uniprot	P11226
GeneID	4153;
Calculated MW	26 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	ETVTCEDAQKTCPAVIACSSPGINGFPGKDGRDGTKGEKGEPGQGLRGLQGPPGKLGPPGNPGPSGSPGPK GQKGDPPGKSPDGDSSLAASERKALQTEMARIKKWLTFSLGKQVGNKFFLTNGEIMTFEKVKALCVKFQASVA TPRNAAENGAIQNLIKEEAFLGITDEKTEGQFVDLTGNRLTYTNWNEGEPNNAGSDEDCVLLLKNGQWNDVP CSTSHLAVCEFPPI
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

Calcium-dependent lectin involved in innate immune defense. Binds mannose, fucose and N-acetylglucosamine on different microorganisms and activates the lectin complement pathway. Binds to late apoptotic cells, as well as to apoptotic blebs and to necrotic cells, but not to early apoptotic cells, facilitating their uptake by macrophages. May bind DNA.

References

A human mannose-binding protein is an acute-phase reactant that shares sequence homology with other vertebrate lectins.Ezekowitz R.A.B., Day L.E., Herman G.A.J. Exp. Med. 167:1034-1046(1988)Research Topic:Immunology

Note: This product is for in vitro research use only