

# Recombinant Cynomolgus monkey B2M Protein, His-tagged

**Cat. No.** B2M-103C    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Cynomolgus monkey B2M protein with His tag was expressed in HEK293.
<b>Species</b>	Cynomolgus
<b>Source</b>	HEK293
<b>ProteinLength</b>	119
<b>Description</b>	This gene encodes a serum protein found in association with the major histocompatibility complex (MHC) class I heavy chain on the surface of nearly all nucleated cells. The protein has a predominantly beta-pleated sheet structure that can form amyloid fibrils in some pathological conditions. The encoded antimicrobial protein displays antibacterial activity in amniotic fluid. A mutation in this gene has been shown to result in hypercatabolic hypoproteinemia.
<b>Form</b>	Lyophilized
<b>Molecular Mass</b>	12.6 kDa
<b>AA Sequence</b>	MSPSVALAVLALLSLSGLEAIQRTPKIQVYSRHPPEHGKPNFLNCYVSGFHPSDIEVD LLKNGEKMGKVEHSDLSFSKDWSFYLLYYTEFTPNEKDEYACRVNHVTLSGPRTVK WDRDM
<b>Purity</b>	> 98%

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<b>Applications</b>	WB; ELISA; FACS; FC
<b>Stability</b>	This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.
<b>Storage</b>	At -20 centigrade.
<b>Concentration</b>	1 mg/mL
<b>Storage Buffer</b>	PBS (pH 7.4-7.5). Sterile-filtered colorless solution.
<b>Reconstitution</b>	Reconstitute in sterile distilled H2O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

## GENE INFORMATION

<b>Gene Name</b>	B2M beta-2-microglobulin [ <i>Macaca mulatta</i> (Rhesus monkey) ]
<b>Official Symbol</b>	B2M
<b>Synonyms</b>	B2M; beta-2-microglobulin;
<b>Gene ID</b>	712428
<b>mRNA Refseq</b>	NM_001047137
<b>Protein Refseq</b>	NP_001040602

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UniProt ID

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