

## B2M/Beta-2 microglobulin Protein, Cynomolgus (119a.a, HEK293, His)

Cat. No.:	HY-P75592
Synonyms:	Beta-2-microglobulin; B2M
Species:	Cynomolgus
Source:	HEK293
Accession:	Q6V7J5 (M1-M119)
Gene ID:	712428
Molecular Weight:	Approximately 13 kDa

### PROPERTIES

AA Sequence	I Q R T P K I Q V Y    S R H P P E N G K P    N F L N C Y V S G F    H P S D I E V D L L K N G E K M G K V E    H S D L S F S K D W    S F Y L L Y Y T E F    T P N E K D E Y A C R V N H V T L S G P    R T V K W D R D M
Biological Activity	Immobilized Cynomolgus B2M at 2 µg/mL (100 µL/well) can bind Anti-B2M antibody. The ED <sub>50</sub> for this effect is 1.128 µg/mL.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

Background	Beta-2 microglobulin (B2M) protein is a crucial component of the class I major histocompatibility complex (MHC). It plays a vital role in presenting peptide antigens to the immune system, facilitating immune recognition and response. B2M forms a heterodimer with an alpha chain, and together they comprise the major histocompatibility complex class I molecules. By participating in these molecular interactions, B2M helps in the proper functioning of the immune system and the recognition of foreign substances.
------------	---

---

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA