

B2M/Beta-2 microglobulin Protein, Mouse (HEK293, His)

Cat. No.:	HY-P74403
Synonyms:	Beta-2-microglobulin; B2M
Species:	Mouse
Source:	HEK293
Accession:	P01887 (I21-M119)
Gene ID:	12010
Molecular Weight:	Approximately 14.5 kDa

PROPERTIES

AA Sequence	I Q K T P Q I Q V Y S R H P P E N G K P N I L N C Y V T Q F H P P H I E I Q M L K N G K K I P K V E M S D M S F S K D W S F Y I L A H T E F T P T E T D T Y A C R V K H D S M A E P K T V Y W D R D M
Biological Activity	Data is not available.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4 or 20 mM PB, 150 mM NaCl, 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 ₂ 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	<p>Beta-2 microglobulin (B2M) protein is a crucial component of the class I major histocompatibility complex (MHC), playing a key role in presenting peptide antigens to the immune system. It forms a heterodimer with an alpha chain, together comprising the major histocompatibility complex class I molecules. Additionally, B2M can form a heterotrimer with MR1 and a metabolite antigen, further contributing to antigen presentation and immune recognition processes. By participating in these molecular interactions, B2M helps in the proper functioning of the immune system and the recognition of foreign substances.</p>
------------	---

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

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