

Alpha 1-Microglobulin Protein, Human (HEK293, His)

Cat. No.:	HY-P7489
Synonyms:	rHuAlpha 1-Microglobulin, His; AMBP; Alpha 1-Microglobulin
Species:	Human
Source:	HEK293
Accession:	P02760 (G20-V203)
Gene ID:	259
Molecular Weight:	Approximately 33.0 kDa

PROPERTIES

AA Sequence	<p> G P V P T P P D N I Q V Q E N F N I S R I Y G K W Y N L A I G S T C P W L K K I M D R M T V S T L V L G E G A T E A E I S M T S T R W R K G V C E E T S G A Y E K T D T D G K F L Y H K S K W N I T M E S Y V V H T N Y D E Y A I F L T K K F S R H H G P T I T A K L Y G R A P Q L R E T L L Q D F R V V A Q G V G I P E D S I F T M A D R G E C V P G E Q E P E P I L I P R V H H H H H H </p>
Appearance	Lyophilized powder
Formulation	Lyophilized after extensive dialysis against 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 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>Alpha 1-Microglobulin has a yellow-brown color and is size and charge heterogeneous. This is caused by an array of small chromophore prosthetic groups, attached to amino acid residues at the entrance of the lipocalin pocket. A gene in the lipocalin cluster encodes Alpha 1-Microglobulin together with a Kunitz-type proteinase inhibitor, bikunin. The gene is translated into the Alpha 1-Microglobulin-bikunin precursor, which is subsequently cleaved and the two proteins secreted to the blood separately. Alpha 1-Microglobulin is found in blood and in connective tissue in most organs^[1].</p>
------------	---

REFERENCES

[1]. B Akerström, et al. alpha(1)-Microglobulin: a yellow-brown lipocalin. Biochim Biophys Acta. 2000 Oct 18;1482(1-2):172-84.

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