

Major urinary protein 2 Protein, Mouse (P.pastoris, His)

Cat. No.:	HY-P71797
Synonyms:	Mup2; Major urinary protein 2; MUP 2
Species:	Mouse
Source:	P. pastoris
Accession:	P11589 (19E-180E)
Gene ID:	17841
Molecular Weight:	Approximately 20.7 kDa

PROPERTIES

AA Sequence	<p> E E A S S T G R N F N V E K I N G E W H T I I L A S D K R E K I E D N G N F R L F L E Q I H V L E K S L V L K F H T V R D E E C S E L S M V A D K T E K A G E Y S V T Y D G F N T F T I P K T D Y D N F L M A H L I N E K D G E T F Q L M G L Y G R E P D L S S D I K E R F A K L C E E H G I L R E N I I D L S N A N R C L Q A R E </p>
Appearance	Lyophilized powder.
Formulation	Lyophilized after extensive dialysis against solution in Tris-based buffer, 50% glycerol.
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.
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>The Major Urinary Protein 2 (MUP2) plays a crucial role in chemical communication by binding to pheromones released from drying urine of males. This specific interaction with male-derived pheromones is instrumental in influencing the sexual behavior of females. MUP2's ability to bind to these pheromones underscores its essential function in mediating chemical signaling and communication within the context of reproductive and social behaviors, contributing to the regulation of mating behaviors in the animal kingdom.</p>
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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