Major urinary protein 11 Protein, Mouse (His)

Cat. No.:	HY-P71506
Synonyms:	Mup11; Mup9Major urinary protein 11
Species:	Mouse
Source:	E. coli
Accession:	P04938 (1R-151E)
Gene ID:	100039028
Molecular Weight:	Approximately 23.6 kDa

PROPERTIES

AA Sequence	R 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 N 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 Q 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
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.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH_2O.
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	Major urinary protein 11 Protein, a member of the Major urinary proteins (Mups) family, plays a crucial role in binding pheromones, stabilizing them for slow release into the air through urine marks. This function may protect pheromones from oxidation and, intriguingly, Mups themselves may act as pheromones. In the context of social behaviors, including aggression, mating, pup-suckling, territory establishment, and dominance, Major urinary protein 11 is presumed to contribute to the regulation of these behaviors. Additionally, in vitro studies indicate its ability to bind the pheromone analog 2-sec-butyl-4,5-dihydrothiazole (SBT).

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

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