
Product Data Sheet

Product Name: MUP1 Mouse

Cat. No.: GP23972

Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Ltn-1; Lvtm-1; Mup-1; Mup-a; Mup10; Mup7; Up-1; Major urinary protein 1; Major urinary protein 7.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSEEASSTG RNFNVEKING EWHTIILASD KREKIEDNGN FRLFLEQIHV LENSIVLKFH TVRDEECSEL SMVADKTEKA GEYSVTYDGF NTFTIPKTDY DNFLMAHLIN EKDGETFQLM GLYGREPDLS SDIKERFAQL CEKHGILREN IIDLSNANRC LQARE.		
Formulation	The MUP1 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 10% glycerol and 0.1M NaCl.		

Introduction

MUP1 is a subfamily of proteins appears highly in the urine and other secretions of various animals. MUP1 provides a minor range of identifying information regarding the donor animal, once detected by the vomeronasal organ of the receiving animal. MUP1 can as well act as protein pheromones themselves. MUP1 has been shown to encourage aggression in male mice, and 1 specific Mup protein found in male mouse urine is sexually attractive to female mice.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

MUP1 Mouse Recombinant produced in E. coli is a single polypeptide chain containing 185 amino acids (19-180) and having a molecular mass of 21.1kDa. MUP1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic

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

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