

Recombinant Mouse major urinary protein 1, His-tagged

Cat. No. MUP1-545M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	MUP1, 19-180aa, Mouse His tag, E.coli
Species	Mouse
Source	E.coli
ProteinLength	19-180 a.a.
Description	MUP1 is a subfamily of proteins found in abundance in the urine and other secretions of many animals. It provides a small range of identifying information about the donor animal, when detected by the vomeronasal organ of the receiving animal. It can also act as protein pheromones themselves. It has been demonstrated to promote aggression in male mice, and one specific Mup protein found in male mouse urine is sexually attractive to female mice. Recombinant mouse MUP1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol. 0.1M NaCl
Molecular Mass	21.1 kDa(185aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSEEASSTG RNFNVEKING EWHTIILASD KREKIEDNGN FRLFLEQIHV LENSVLKFKH TVRDEECSEL SMVADKTEKA GEYSVTYDGF NTFTIPKTDY DNFLMAHLIN EKDGETFQLM GLYGREPDL SDIKERFAQL CEKHGILREN IIDLSNANRC LQARE

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Purity	>95% by SDS - PAGE
Storage	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.
Concentration	1.0 mg/ml (determined by BCA assay)
GENE INFORMATION	
Gene Name	Mup1 major urinary protein 1 [Mus musculus]
Official Symbol	MUP1
Synonyms	MUP1; major urinary protein 1; MUP 1; major urinary protein 7; major urinary protein 10; Mup7; Up-1; Ltn-1; Mup-1; Mup-a; Mup10; Lvtn-1;
Gene ID	17840
mRNA Refseq	NM_001163010
Protein Refseq	NP_001156482
Function	pheromone binding;

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