Recombinant mouse MUP-1 protein

Catalog Number: ATGP2060

PRODUCT INFORMATION

Expression system
E.coli

Domain
19-180aa

UniProt No.
A2CEL1

NCBI Accession No.
NP_001156482

Alternative Names
Major urinary protein 1 isoform b precursor, Ltn-1, Lvtn-1, Mup-1, Mup-a, Mup10, Mup7, up-1

PRODUCT SPECIFICATION

Molecular Weight
21.1 kDa (185aa) confirmed by MALDI-TOF

Concentration
1mg/ml (determined by BCA assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol 0.1M NaCl

Purity
> 95% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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.

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Amino acid Sequence

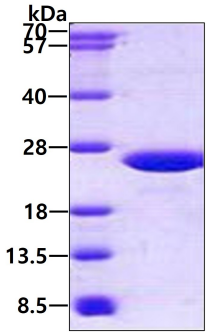
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General References

Logan DW. et al. (2008) PLoS One. 3:e3280
Finlayson JS. et al. (1965) Science. 149:981-982.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.