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Recombinant Mouse MUP-4 Protein

Catalog No.: RP01589LQ Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Mouse	17843	P11590

Tags
C-hFc

Synonyms
Major urinary protein 4; Mup1; Mup-4;MUP4

Product Information

Source
HEK293 cells

Purification
≥ 95 % as determined by SDS-PAGE.

Calculated MW
44.78 kDa

Observed MW
50-60 kDa

Endotoxin
< 0.1 EU/μg of the protein by LAL method.

Formulation
Supplied as a 0.22 μm filtered solution in PBS, pH 7.4.

Reconstitution

Background

Binds pheromones, likely to displace pheromones complexed to urinary MUPs and transport them to the vomeronasal organ (VNO) where they associate with their neuronal receptor(s). MUP4 is highly specific for the male mouse pheromone 2-sec-butyl-4,5-dihydrothiazole (SBT).

Basic Information

Description
Recombinant Mouse MUP-4 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Glu17-Glu178) of mouse MUP-4 (Accession #NP_032674.1) fused with a hFc tag at the C-terminus.

Bio-Activity

Shipping
The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -70℃. This product is stable at ≤ -70℃ for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature. Avoid repeated freeze-thaw cycles.
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Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

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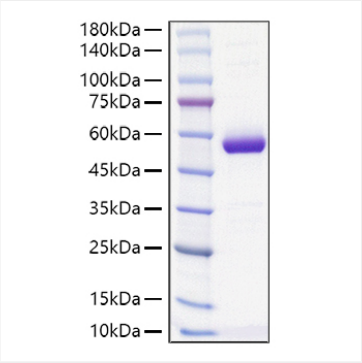
Validation Data



Recombinant Mouse MUP-4 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.

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