

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	Purification
HEK293 cells	> 95% by SDS-PAGE.

Calculated MW	Observed MW
44.78 kDa	50-60 kDa

Endotoxin

<0.1EU/μg

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

Storage

Store at -70°C. This product is stable at ≤ -70°C 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. Avoid repeated freeze/thaw cycles.

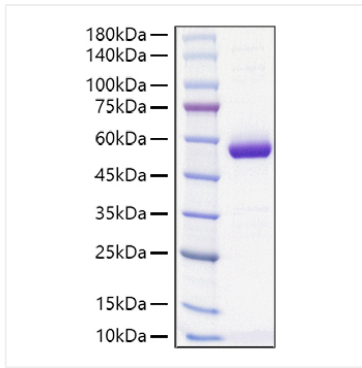
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Validation Data



Recombinant Mouse MUP-4 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 50-55 kDa.