Abstract

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[Problem] To provide a nucleic acid expected to be useful for treating crustacean allergy.

[Means to be solved] Provided is a nucleic acid comprising a nucleotide sequence encoding a chimeric protein, wherein the nucleic acid comprises a nucleotide sequence encoding a signal peptide, a nucleotide sequence encoding an intra-organelle stabilizing domain of LAMP, a nucleotide sequence encoding an allergen domain comprising Lit v 1, Lit v 4, and Lit v 3, a nucleotide sequence encoding a transmembrane domain and a nucleotide sequence encoding an endosomal/lysosomal targeting domain of LAMP in this order.

[Selected Figure] Nil