



This is provisional English translation of an excerpt from the original full report.

Safety Assessment Report

Aminopeptidase produced using JPAo008 strain (Genetically Modified Food)

Food Safety Commission of Japan (FSCJ)
March 2022

ABSTRACT

The FSCJ conducted a safety assessment of a food additive, aminopeptidase produced using JPAo008 strain.

This additive is aminopeptidase produced using JPAo008 strain which was generated through the introduction of the aminopeptidase gene derived from *Aspergillus oryzae* IFO4177 strain as a host. This enzyme hydrolyzes the amino terminal end of protein or peptide. It is used for eliminating bitterness and improving flavor during the process of hydrolyzed substances of proteins.

Referring to “Standards for Safety Assessments of Genetically Modified Food Additives produced Using Genetically Modified Microorganisms”¹, the FSCJ confirmed the following:

- i. the safety of the inserted gene; and
- ii. the toxicity and allergenicity of the protein produced from the inserted gene, and others.

Consequently, any new safety concerns were not identified, compared with conventional additives.

The FSCJ concluded that “aminopeptidase produced using JPAo008 strain” has no concern relevant to human health.

¹ Decision of the FSCJ dated March 25, 2004