

## Fusion Peptide 多肽, Mouse (FP)

种属:	Human Cells
表达系统:	Prokaryotic expression system
标签:	not have
同用名:	FP
分子量:	4.23 kDa
纯度:	80% HPLC
储存条件:	-20 °C , powder.
备注:	This product can also offer other purities ranging from 75% to 98% Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
储存时间:	Lyophilized protein should be stored at $\leq -20^{\circ}$ C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at $\leq -20^{\circ}$ C for 3 months.
运输:	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.

所有产品仅用作科学研究或药证申报, 我们不为任何个人用途提供产品和服务。

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背景:

FP, a membrane fusion peptide, derived from the Spike proteins of SARS-CoV-2. The S protein of SARS-CoV-2 has 1273 amino acids and forms homotrimers. Each monomer contains two function subunits, the S1 subunit (14–685 residues), and the S2 subunit (686–1273 residues). The S1 subunit is responsible for receptor binding, which is cleaved after binding on the receptor. However, the exact cleavage site remains unclear. After enzymatic digestion, the S2 subunit undergoes a series of intermediate structural states to mediate membrane fusion, including the exposure of a membrane fusion segment to trigger the virus-host membrane fusion by anchoring on the membrane. In the S2 subunit, there has also been proposed to contain an internal fusion peptide (FP) (788–806 residues). FP consist of 15–20 conserved amino acids of the viral family, composed mainly of hydrophobic residues, such as glycine (G) or alanine (A), which anchor to the target membrane when the S protein adopts the prehairpin conformation.

## 展示数据:



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