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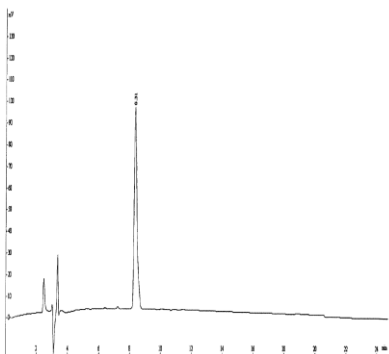
Plus Factor HG-PF-0001

STORE AT: -20°C
EXP: 10/17

Purity: $\geq 95\%$, RP-HPLC 220 nm

Data:

Peak N°	Time (min)	Area ($\mu\text{V}\cdot\text{sec}$)	Area (%)
1	8.31	1195685	>95%



Description:

Individual haploid cells of the yeast *Schizosaccharomyces (S.) pombe* express one of two mating types: Plus- or Minus. The respective cells secrete small peptides as pheromones, which are called Plus-factor in the case of Plus-cells. The pheromone binds to specific receptors of cells of the opposite mating type, inducing the pheromone signal cascade and a genetic program, leading to e.g. a cell-cycle arrest. Efficiency of activation of the signal cascade depends on nutrient conditions, e.g. nitrogen depletion, or the use of appropriate host strains, e.g. mutants with reduced activity of protein kinase A.

Concentration:

5 mM in 72 μl (50 mM Tris HCl pH 8,0)
each vial, equivalent 1 mg per vial

Recommended Usage:

For heterologous gene expression using e.g. promoters of genes of the mating response pathway or cell-cycle arrest in respective host strains of *S. pombe*.

Specification:

Sequence: TYADFLRAYQSWNTFVNPDRPNL

Purity: $\geq 95\%$ HPLC

Storage Conditions:

Freeze at -20°C immediate after delivery. Avoid many cycles of thawing and freezing. Make aliquots if reasonable.



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