



Product Data Sheet

Product Name: α -Mating Factor Pheromone, yeast
Catalog Number: AS-60221-5 (5 mg) **Lot Number:** See label on vial
Sequence: H-Trp-His-Trp-Leu-Gln-Leu-Lys-Pro-Gly-Gln-Pro-Met-Tyr-OH (3-letter sequence)
WHWLQLKPGQPMY (1-letter code)

Molecular Weight: 1684.0

% Peak Area by HPLC: ≥ 95

Appearance: Lyophilized white powder

Peptide Reconstitution: Use distilled or higher quality water. Add water directly to the lyophilized peptide powder to obtain a final concentration of approximately 0.5 mg/mL to 1mg/mL or less. Gently vortex to mix. For peptides that have poor solubility in the suggested solvent, brief sonication may increase solubility in some cases.

Storage: Peptide is shipped at ambient temperature. Upon receipt, store lyophilized powder at -20°C or lower. Reconstituted peptide should be aliquoted into several freezer vials and stored at -20°C or lower. Do not freeze thaw.

Description: This tridecapeptide, an α -factor pheromone of *Saccharomyces cerevisiae*, induces conjugation in yeast by binding to Ste2p. Its cognate GPCR activates a G protein signal pathway that highly conserves with mammalian signaling pathways. Ref: Lee, BK. et al. *J. Biol. Chem.* **276**, 37950 (2001); Mayrhofer, S. and S. Pöggeler *Eukaryot. Cell* **4**, 661 (2005).

For Research Use Only