

**DATASHEET**

Version: 2016-08-18

**Motilin, human, porcine****Cat. No.:** RP10527-0.5**Size:** 0.5 mg**Alias:** MLN**Description:**

Motilin is a 22-amino-acid peptide secreted by endocrinocytes in the mucosa of the proximal small intestine. Motilin is a gastrointestinal regulatory polypeptide produced by motilin cells in the duodenal epithelium. Motilin is an intestinal peptide that stimulates contraction of gut smooth muscle. The motilin receptor has not been cloned yet, but motilin-receptor agonists appear to be potent prokinetic agents for the treatment of dysmotility disorders. The nucleic acid sequence for human motilin shows seven differences between it and the cDNA coding for pig motilin, but the amino acid sequence deduced from both sequences is identical.

**Cas No:** 52906-92-0**Sequence (one-letter code):**

FVPIFTYGELQRMQEKERNKGQ

**Sequence (three-letter code):**

{PHE}{VAL}{PRO}{ILE}{PHE}{THR}{TYR}{GLY}{GLU}{LEU}{GLN}{ARG}{MET}{GLN}{GLU}{LYS}{GLU}{ARG}{ASN}{LYS}{GLY}{GLN}

**Solubility:** The peptide is soluble in water. The contents of this vial have been accurately determined. Both the stopper and the vial have been siliconized. Do not attempt to weigh out a smaller portion of the contents.

**Formula:** C<sub>120</sub>H<sub>188</sub>N<sub>34</sub>O<sub>35</sub>S<sub>1</sub>**Molecular Weight:** 2,699.05**Purity:** > 95%**Storage:**

Before use, store the peptide in the DRY form at 0°C - 5°C. For best and most repeatable results, rehydrate the peptide immediately before use. Do not re-freeze any unused portions.

**Note:**

\*For Non-Clinical Research Use Only \*

