



Recombinant Protein Technical Manual  
Recombinant Human Motilin/MLN Protein (His Tag)  
RPES4845

Product Data:

**Product SKU:** RPES4845

**Size:** 10µg

**Species:** Human

**Expression host:** Human Cells

**Uniprot:** P12872

Protein Information:

**Molecular Mass:** 11.4 kDa

**AP Molecular Mass:** 157 kDa

**Tag:** C-6His

**Bio-activity:**

**Purity:** > 90 % as determined by reducing SDS-PAGE.

**Endotoxin:** < 1.0 EU per µg as determined by the LAL method.

**Storage:** Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

**Shipping:** This product is provided as lyophilized powder which is shipped with ice packs.

**Formulation:** Lyophilized from a 0.2 µm filtered solution of 20mM PB,150mM NaCl,pH7.4.

**Reconstitution:** Please refer to the printed manual for detailed information.

**Application:**

**Synonyms:** Promotilin; Motilin-associated peptide; MLN

## Immunogen Information:

**Sequence:** Phe26-Lys115

## Background:

Promotilin is a secreted protein that belongs to the motilin family. Human Promotilin cDNA encodes a 115 amino acid (aa) precursor that contains a 25 aa signal peptide and a 90 aa with motilin and motilin-associated peptide. It plays an important role in the regulation of interdigestive gastrointestinal motility and indirectly causes rhythmic contraction of duodenal and colonic smooth muscle.