

# Recombinant Human Motilin/MLN Protein (His Tag)

Catalog Number:PKSH032764



**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

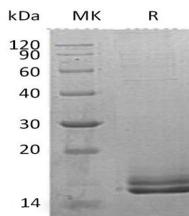
## Description

<b>Synonyms</b>	Promotilin;Motilin-associated peptide;MLN
<b>Species</b>	Human
<b>Expression Host</b>	HEK293 Cells
<b>Sequence</b>	Phe26-Lys115
<b>Accession</b>	P12872
<b>Calculated Molecular Weight</b>	11.4 kDa
<b>Observed molecular weight</b>	15-17 kDa
<b>Tag</b>	C-His

## Properties

<b>Purity</b>	> 90 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per $\mu$ g of the protein as determined by the LAL method.
<b>Storage</b>	Generally, 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.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from a 0.2 $\mu$ m filtered solution of 20mM PB, 150mM NaCl, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
<b>Reconstitution</b>	Please refer to the specific buffer information in the printed manual for detailed information.

## Data



> 90 % as determined by reducing SDS-PAGE.

## 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.

## For Research Use Only

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