Promotilin/MLN Protein, Human (HEK293, His)

Cat. No.:	HY-P70285
Synonyms:	rHuPromotilin/MLN, His ; Promotilin; Motilin-associated peptide; MLN
Species:	Human
Source:	HEK293
Accession:	P12872 (F26-K115)
Gene ID:	4295
Molecular Weight:	15-17 kDa

PROPERTIES

AA Sequence	F V P I F T Y G E L Q R M Q E K E R N K G Q K K S L S V W Q R S G E E G P V D P A E P I R E E E N E M I K L T A P L E E I G M R M N S R Q L E K Y P A T L E G L L S E M L P Q H A A K
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH_2O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	Promotilin/MLN Protein assumes a crucial role in orchestrating the regulation of interdigestive gastrointestinal motility. Its impact is notably indirect, leading to rhythmic contractions of the smooth muscle in both the duodenum and colon. In contributing to the coordination of gastrointestinal motility, Promotilin/MLN emerges as a key player in facilitating the dynamic movements essential for effective digestive processes.

Caution: Product has not been fully validated for medical applications. For research use only.

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