Pro-Gastrin-releasing peptide, Pro-GRP Protein (Active)

Catalog #: MBS355653

Lot # Check on the product label

Size 100 µg

Description
Recombinant full length human Pro-GRP protein with His tag at N-terminal.

Source Pichia pastoris

Purity >90% by SDS-PAGE

Formulation Liquid

Application
WB
ELISA
Other applications have not been tested.
The optimal dilutions should be determined by end user.

Storage buffer
Each vial contains 0.01 M PBS (pH7.5) without preservative.

Storage & Expiration
Ship at 4℃. Upon receipt, aliquot and store at -20℃ or -80℃ for long term.
Avoid repeated freeze and thaw cycles.

Background
Gastrin-releasing peptide, also known as GRP, is a regulatory molecule that has been implicated in a number of physiological and pathophysiological processes. Gastrin-releasing peptide is a regulatory human peptide that elicits gastrin release and regulates gastric acid secretion and enteric motor function. The human GRP gene is located on chromosome 18. PreproGRP (the unprocessed form of GRP) is encoded in three exons separated by two introns. PreproGRP begins with signal peptidase cleavage to generate the proGRP, which is then processed (by proteolytic cleavages), to form smaller GRP peptides.

Reference
1. Merali Z, McIntosh J, Anisman H (October 1999). "Role of bombesin-related peptides in the control of food intake". Neuropeptides 33 (5): 376–86.
2. Lebacq-Verheyden AM, Bertness V, Kirsch I, Hollis GF, McBride OW, Battey J (January 1987). "Human gastrin-releasing peptide gene maps to chromosome band 18q21". Somat. Cell Mol. Genet. 13 (1): 81–6.