

Datasheet for ABIN2721717

**Gastrin-Releasing Peptide Protein (GRP) (Transcript Variant 3)
(His-ABP Tag)**[Go to Product page](#)**1** Image

Overview

Quantity:	0.1 mg
Target:	Gastrin-Releasing Peptide (GRP)
Protein Characteristics:	Transcript Variant 3
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This Gastrin-Releasing Peptide protein is labelled with His-ABP Tag.
Application:	Antibody Production (AbP), Standard (STD)

Product Details

Characteristics:	<ul style="list-style-type: none">• Recombinant human Gastrin-releasing peptide / GRP (transcript variant 3) protein expressed in E.coli.• Produced with end-sequenced ORF clone
Purity:	> 80 % as determined by SDS-PAGE and Coomassie blue staining

Target Details

Target:	Gastrin-Releasing Peptide (GRP)
Alternative Name:	Gastrin-Releasing Peptide,grp (GRP Products)
Background:	This gene encodes a member of the bombesin-like family of gastrin-releasing peptides. The encoded preproprotein is proteolytically processed to generate two peptides, gastrin-releasing peptide and neuromedin-C. These peptides regulate numerous functions of the gastrointestinal

Target Details

and central nervous systems, including release of gastrointestinal hormones, smooth muscle cell contraction, and epithelial cell proliferation. These peptides are also likely to play a role in human cancers of the lung, colon, stomach, pancreas, breast, and prostate. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed.

Molecular Weight: 23.4 kDa

NCBI Accession: [NP_001012531](#)

Pathways: [Peptide Hormone Metabolism](#), [Hormone Activity](#)

Application Details

Application Notes: Recombinant human proteins can be used for:
Native antigens for optimized antibody production
Positive controls in ELISA and other antibody assays

Comment: The tag is located at the N-terminal.

Restrictions: For Research Use only

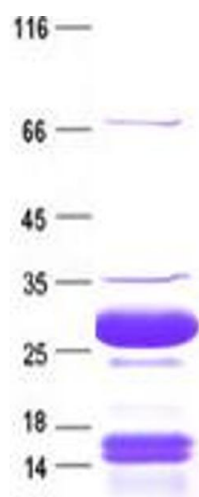
Handling

Concentration: 50 µg/mL

Buffer: PBS, pH 7.4

Storage: -80 °C

Storage Comment: Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze immediately. Only 2-3 freeze thaw cycles are recommended.



Western Blotting

Image 1. Validation with Western Blot