

Recombinant Human Gastrin-releasing peptide/GRP Protein

Catalog No.: RP01845 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	2922	P07492

Tags

C-hFc

Synonyms

BN; GRP-10; proGRP; preproGRP; Gastrin-releasing peptide; GRP; progastrin-releasing peptide

Product Information

Source	Purification
HEK293 cells	

Endotoxin
< 0.1 EU/μg

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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Background

Gastrin-releasing peptide (GRP) is a neuropeptide with growth-stimulatory and tumorigenic properties, and neuropeptides have previously been suggested to play a role in the complex cascade of chemical activity associated with periodontal inflammation.

Basic Information

Description

Recombinant Human Gastrin-releasing peptide/GRP Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Arg22-Gly148) of human Gastrin-releasing peptide/GRP (Accession #) fused with a hFc tag at the C-terminus.

Bio-Activity

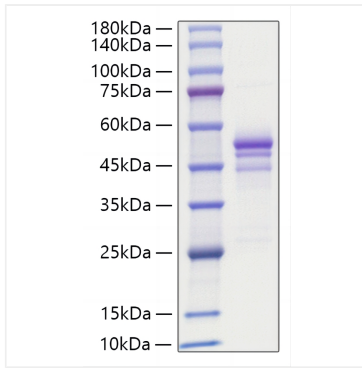
Storage

Store the lyophilized protein at -20°C to -80°C for 12 months.

After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

Validation Data



Recombinant Human Gastrin-releasing peptide/GRP Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 45-60 kDa