

Product datasheet for TP315122

Gastrin Releasing Peptide (GRP) (NM_001012513) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Homo sapiens gastrin-releasing peptide (GRP), transcript variant 3, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC215122 representing NM_001012513 Red =Cloning site Green =Tags(s)
	MRGRELPLVLLALVLCLAPRGRAVPLPAGGGTVLTKMYPRGNHWAVGHLMGKKSTGESSVSEKSLKQQ LREYIRWEEAARNLLGLIEAKENRNHQPQPKALGNQQPSWDESSNFKDLVDSLLQVLNVKEGTPS
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	12.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_001012531
Locus ID:	2922
UniProt ID:	P07492
RefSeq Size:	844



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Cytogenetics: 18q21.32

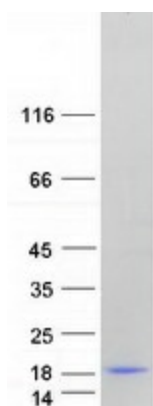
RefSeq ORF: 414

Synonyms: BN; GRP-10; preproGRP; proGRP

Summary: 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 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. [provided by RefSeq, Jan 2016]

Protein Families: Secreted Protein

Product images:



Coomassie blue staining of purified GRP protein (Cat# TP315122). The protein was produced from HEK293T cells transfected with GRP cDNA clone (Cat# [RC215122]) using MegaTran 2.0 (Cat# [TT210002]).