
Prolactin-Releasing Peptide (12-31), rat
Synthetic Peptide
Catalog # SP3192a**Specification**

**Prolactin-Releasing Peptide (12-31), rat -
Product Information**

Primary Accession [P81278](#)
Calculated MW 2272.57 Da
Sequence NH₂-TPDINPAWYT
GRGIRPVGRF-CON
H₂

**Prolactin-Releasing Peptide (12-31), rat -
Additional Information****Other Names**

Prolactin-releasing peptide, PrRP,
Prolactin-releasing hormone,
Prolactin-releasing peptide PrRP31,
Prolactin-releasing peptide PrRP20, Prlh, Prh

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**Prolactin-Releasing Peptide (12-31), rat -
Protein Information**

Name Prlh

Synonyms Prh

Function

Stimulates prolactin (PRL) release and regulates the expression of prolactin through its receptor GPR10. May stimulate lactotrophs directly to secrete PRL.

Cellular Location

Secreted.

Tissue Location

Widely expressed, with highest levels in medulla oblongata and hypothalamus. EMBL; AB015418; BAA29026.1; -; mRNA EMBL; AB040613; BAB33377.1; -; Genomic_DNA

EMBL; AF521930; AAM82154.1; -; mRNA PIR;
JC7607; JC7607 RefSeq; NP_071558.1;
NM_022222.1. [P81278-1] RefSeq;
XP_006245540.1; XM_006245478.3.
[P81278-1] UniGene; Rn.91303; - STRING;
10116.ENSARNOP00000026912; - PaxDb;
P81278; - PRIDE; P81278; - Ensembl;
ENSARNOT00000026912;
ENSARNOP00000026912;
ENSARNOG00000019871. [P81278-1] GeneID;
63850; - KEGG; rno:63850; - UCSC;
RGD:628634; rat. [P81278-1] CTD; 51052; -
RGD; 628634; Prlh eggNOG; ENOG410J49T;
Eukaryota eggNOG; ENOG4111800; LUCA
GeneTree; ENSGT00390000005489; -
HOGENOM; HOG000115720; - HOVERGEN;
HBG004601; - InParanoid; P81278; - KO;
K05269; - OMA; RAHQHSM; - OrthoDB;
1486353at2759; - PhylomeDB; P81278; -
Reactome; R-RNO-375276; Peptide
ligand-binding receptors PRO; PR:P81278; -
Proteomes; UP000002494; Chromosome 9
Bgee; ENSARNOG00000019871; Expressed in
6 organ(s), highest expression level in testis
Genevisible; P81278; RN GO; GO:0005737;
C:cytoplasm; IDA:MGI GO; GO:0005576;
C:extracellular region; IEA:UniProtKB-SubCell
GO; GO:0005179; F:hormone activity;
TAS:RGD GO; GO:0005184; F:neuropeptide
hormone activity; IMP:RGD GO; GO:0005148;
F:prolactin receptor binding; TAS:RGD GO;
GO:0031861; F:prolactin-releasing peptide
receptor binding; IMP:RGD GO; GO:0048483;
P:autonomic nervous system development;
IEA:Ensembl GO; GO:0006112; P:energy
reserve metabolic process; IEA:Ensembl GO;
GO:0045444; P:fat cell differentiation;
IEA:Ensembl GO; GO:0007631; P:feeding
behavior; IMP:RGD GO; GO:0007186; P:G
protein-coupled receptor signaling pathway;
IMP:RGD GO; GO:0006629; P:lipid metabolic
process; IEA:Ensembl GO; GO:0002023;
P:reduction of food intake in response to
dietary excess; IMP:MGI GO; GO:0040014;
P:regulation of multicellular organism growth;
IEA:Ensembl GO; GO:0009749; P:response to
glucose; IEA:Ensembl GO; GO:0032868;
P:response to insulin; IEA:Ensembl GO;
GO:0001894; P:tissue homeostasis;
IEA:Ensembl InterPro; IPR026194; PrRP
PANTHER; PTHR17206; PTHR17206; 1 Pfam;
PF15172; Prolactin_RP; 1 2: Evidence at
transcript level; Alternative splicing;
Amidation; Cleavage on pair of basic
residues; Complete proteome; Hormone;
Reference proteome; Secreted; Signal SIGNAL
1 21 PEPTIDE 22 52 Prolactin-releasing
peptide PrRP31 /FTid=PRO_0000022147
PEPTIDE 33 52 Prolactin-releasing peptide
PrRP20 /FTid=PRO_0000022148 PROPEP 57
83 /FTid=PRO_0000022149 MOD_RES 52 52
Phenylalanine amide. VAR_SEQ 33 83 TPDINP
AWYTGRGIRPVGRFRRRRATPRDVTGLGQLSCLP
L DGRTKFSQRG ->
SECLTYGKQPLTSFHPFTSQMPP (in isoform 2).
/FTid=VSP_004370 SEQUENCE 83 AA; 9215
MW; D0C75A264EEE4F29 CRC64;
MALKTWLLCL LLLSLVLPGA SSRAHQHSME
TRTPDINPAW YTGRGIRPVG RFGRRRATPR
DVTGLGQLSC LPLDGRTKFS QRG

Prolactin-Releasing Peptide (12-31), rat - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)