Regulated Endocrine-Specific Protein 18 (RESP18) Rat Recombinant Protein

PRODUCT OVERVIEW

Product Name	Regulated endocrine-specific protein 18 (Resp18), Recombinant Protein
Full Product Name	Recombinant Rat Regulated endocrine-specific protein 18 (Resp18)
Product Gene Name	Resp18 recombinant protein
Sequence	SDINAHDGQG QVGSEQLWTF QGLVASVFQY LQLLFHHIVP QGMFWTDDIA YELMTKKVEH LSRLHPQYPC RKEGKVVSPI ATTGVRGKQE EKLRLLSPQK SPAVKVNRDR CFTTKVIPKA TKQEVTHPSK GFFGPFPTVG LNLVAD
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	19,480 Da
Sequence Positions	30-175, full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for P47940
Species	Rat
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Resp18 recombinant protein	MBS1122310 is a recombinant protein targeting Resp18. Also known as Recombinant Rat Regulated endocrine-specific protein 18 (Resp18). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Resp18 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Resp18. It may not necessarily be applicable to this product.

NCBI GI #	9507041
NCBI GeneID	50561
NCBI Accession #	NP_062151.1
UniProt Primary Accession #	P47940
UniProt Related Accession #	P47940
GenBank Nucleotide #	NM_019278.1
NCBI Official Full Name	regulated endocrine-specific protein 18

NCBI Official Synonym Full Names	regulated endocrine-specific protein 18
NCBI Official Symbol	Resp18
UniProt Protein Name	Regulated endocrine-specific protein 18
Protein Family	Regulated endocrine-specific protein
UniProt Gene Name	Resp18
NCBI Protein Information	regulated endocrine-specific protein 18
NCBI Summary for Resp18	displays increased expression in response to bromocriptine; expressed in neural and endocrine tissues [RGD, Feb 2006]
UniProt Comments for Resp18	May play an important regulatory role in corticotrophs.
Research Articles on Resp18	**1.** Resp18 gene expression varies with activation of the corpus ghrelin-secreting cells and the antral gastrin-secreting cells.
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