Striated Muscle-Specific Serine/Threonine-Protein Kinase (SPEG) Rat Recombinant Protein

PRODUCT OVERVIEW

Product Name	Striated muscle-specific serine/threonine-protein kinase (Speg), Recombinant Protein
Full Product Name	Recombinant Rat Striated muscle-specific serine/threonine-protein kinase (Speg) , partial
Product Gene Name	Speg recombinant protein
Product Synonym Gene Name	Speg
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	12,668 Da
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 Q63638
Species	Rat
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Speg recombinant protein	Expression of this gene is thought to serve as a marker for differentiated vascular smooth muscle cells which may have a role in regulating growth and differentiation of this cell type. The encoded protein is highly similar to the corresponding rat and mouse proteins. Multiple alternatively spliced transcript variants have been found for this gene, but the full-length nature of only one variant has been defined.
Other Notes	Small volumes of Speg 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.
Searchable Terms for Speg purchase	MBS1362735 is a recombinant protein targeting Speg. Also known as Recombinant Rat Striated muscle-specific serine/threonine-protein kinase (Speg) , partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

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

NCBI GI #	157818307
NCBI GeneID	363256
NCBI Accession #	NP_001102272.1
UniProt Primary Accession #	Q63638
UniProt Related Accession #	Q63638
GenBank Nucleotide #	NM_001108802.1

NCBI Official Full Name	striated muscle-specific serine/threonine-protein kinase isoform 1
NCBI Official Synonym Full Names	SPEG complex locus
NCBI Official Symbol	Speg
NCBI Official Synonym Symbols	Apeg1; APEG-1
UniProt Protein Name	Striated muscle-specific serine/threonine-protein kinase
UniProt Synonym Protein Names	Aortic preferentially expressed protein 1; APEG-1
Protein Family	Exotoxin
UniProt Gene Name	Speg
UniProt Synonym Gene Names	Apeg1; APEG-1
NCBI Protein Information	striated muscle-specific serine/threonine-protein kinase
NCBI Summary for Speg	may play a role in aortic smooth muscle cell differentiation [RGD, Feb 2006]
UniProt Comments for Speg	Isoform 2 may have a role in regulating the growth and differentiation of arterial smooth muscle cells.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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