Baculoviral IAP Repeat-Containing Protein 1e (NAIP5) Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	Baculoviral IAP repeat-containing protein 1e (Naip5), Recombinant Protein
Full Product Name	Recombinant Mouse Baculoviral IAP repeat-containing protein 1e (Naip5) , partial
Product Gene Name	Naip5 recombinant protein
Product Synonym Gene Name	Naip5
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	159,696 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 Q9R016
Species	Mouse
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Naip5 recombinant protein	MBS1423234 is a recombinant protein targeting Naip5. Also known as Recombinant Mouse Baculoviral IAP repeat-containing protein 1e (Naip5) , partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Naip5 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 Naip5. It may not necessarily be applicable to this product.

NCBI GI #	124107602
NCBI GeneID	17951
NCBI Accession #	NP_035000.2
UniProt Primary Accession #	Q9R016
UniProt Secondary Accession #	O09121; O09122; P81703; Q9R029
UniProt Related Accession #	Q9R016
GenBank Nucleotide #	NM_010870.2
NCBI Official Full Name	baculoviral IAP repeat-containing protein 1e
NCBI Official Synonym Full Names	NLR family, apoptosis inhibitory protein 5

NCBI Official Symbol	Naip5
NCBI Official Synonym Symbols	Lgn1; Birc1e; Naip-rs3
UniProt Protein Name	Baculoviral IAP repeat-containing protein 1e
UniProt Synonym Protein Names	Neuronal apoptosis inhibitory protein 5
Protein Family	Baculoviral IAP repeat-containing protein
UniProt Gene Name	Naip5
UniProt Synonym Gene Names	Birc1e; Naip-rs3
NCBI Protein Information	baculoviral IAP repeat-containing protein 1e
UniProt Comments for Naip5	Sensor component of the NLRC4 inflammasome that specifically recognizes and binds flagellin from pathogenic bacteria such as Legionella or Salmonella. Association of pathogenic bacteria proteins drives in turn drive assembly and activation of the NLRC4 inflammasome, promoting caspase-1 activation, cytokine production and macrophage pyroptosis. The NLRC4 inflammasome is activated as part of the innate immune response to a range of intracellular bacteria. The NLRC4 inflammasome senses Gram-negative bacteria such as L.pneumophila and P.aeruginosa, enteric pathogens S.typhimurium (Salmonella) and S.flexneri. Prevents motor-neuron apoptosis induced by a variety of signals.
Research Articles on Naip5	**1.** These results provide definitive genetic evidence for the important physiological function of NAIPs in antibacterial defense and inflammatory damage-induced lethality in mice.
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