Protein IRS1 (IRS1) Human Cytomegalovirus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Protein IRS1 (IRS1), Recombinant Protein
Full Product Name	Recombinant Human cytomegalovirus Protein IRS1 (IRS1), partial
Product Gene Name	IRS1 recombinant protein
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	30,102 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 P09715
Species	Human cytomegalovirus (strain AD169) (HHV-5) (Human herpesvirus 5)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for IRS1 recombinant protein	MBS1259197 is a recombinant protein targeting IRS1. Also known as Recombinant Human cytomegalovirus Protein IRS1 (IRS1), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of IRS1 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 IRS1. It may not necessarily be applicable to this product.

NCBI GI #	124910
NCBI Accession #	P09715.1
UniProt Primary Accession #	P09715
UniProt Secondary Accession #	Q7M6U2
NCBI Official Full Name	Protein IRS1
UniProt Protein Name	Protein IRS1
UniProt Synonym Protein Names	HQRF1
Protein Family	Isoleucine--tRNA ligase
UniProt Gene Name	IRS1

UniProt Comments for IRS1	Inhibits the establishment of the antiviral state in the infected cell. Prevents the phosphorylation of the host eukaryotic translation initiation factor eIF-2alpha and thus the shutoff of viral and cellular protein synthesis by directly interacting with EIF2AK2/PKR. May also participate in viral DNA replication by interacting with the DNA polymerase accessory protein and the lytic origin of replication, oriLyt.
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Online datasheet: https://www.mybiosource.com/recombinant-protein/protein-irs1-irs1/1259197