Leucine-Rich Repeat Serine/Threonine-Protein Kinase 1 (LRRK1) Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	Leucine-rich repeat serine/threonine-protein kinase 1 (Lrrk1), Recombinant Protein
Full Product Name	Recombinant Mouse Leucine-rich repeat serine/threonine-protein kinase 1 (Lrrk1) , partial
Product Gene Name	Lrrk1 recombinant protein
Product Synonym Gene Name	Lrrk1
Sequence	EGENSILGQG GSGTVIYQAR YQGQPVAVKR FHIKKFKNSA NAPADTMLRH LRAMDAMKNF SDFRQEASML HALQHPCIVS LIGISIHPLC FALELAPLGS LNTVLSENAK DSSFMPLGHM LTQKIAYQIA SGLAYLHKKN IIFCDLKSDN ILVWSLSAKE HINIKLSDYG ISRQSFHEGA LGVEGTPGYQ APEIRPRIVY DEKVDMFSYG MVLYELLSGQ RPALGHHQLQ IVKKLSKGIR PVLGQPEEVQ FHRLQALMME CWDTKPEKRP LALSVVSQMK DPTF
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	129,636 Da
Sequence Positions	1242-1525. Partial, provide the Protein kinase Domain
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 Q3UHC2
Species	Mouse
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Lrrk1 recombinant protein	MBS1329294 is a recombinant protein targeting Lrrk1. Also known as Recombinant Mouse Leucine-rich repeat serine/threonine-protein kinase 1 (Lrrk1) , partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Lrrk1 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 Lrrk1. It may not necessarily be applicable to this product.

NCBI GI #	56699427
NCBI GeneID	233328
NCBI Accession #	NP_666303.3
UniProt Primary Accession #	Q3UHC2

UniProt Secondary Accession #	Q3U476; Q66JQ4; Q6GQR9; Q6NZF5; Q6ZPI4; Q8BKP3; Q8BU93; Q8BUY0; Q8BVV2; Q8R085
UniProt Related Accession #	Q3UHC2
GenBank Nucleotide #	NM_146191.3
NCBI Official Full Name	leucine-rich repeat serine/threonine-protein kinase 1
NCBI Official Synonym Full Names	leucine-rich repeat kinase 1
NCBI Official Symbol	Lrrk1
NCBI Official Synonym Symbols	AW319595; mKIAA1790; C230002E15Rik; D130026O16Rik
UniProt Protein Name	Leucine-rich repeat serine/threonine-protein kinase 1
Protein Family	Leucine-rich repeat serine/threonine-protein kinase
UniProt Gene Name	Lrrk1
NCBI Protein Information	leucine-rich repeat serine/threonine-protein kinase 1
Research Articles on Lrrk1	**1.** findings revealed an essential role of LRRK in the survival of DA neurons and in the regulation of the autophagy-lysosomal pathway in the aging brain.
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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