Major Prion Protein (PRNP) Boselaphus Tragocamelus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Major prion protein (PRNP), Recombinant Protein
Full Product Name	Recombinant Boselaphus tragocamelus Major prion protein (PRNP)
Product Gene Name	PRNP recombinant protein
Product Synonym Gene Name	PRNP; PRP
Product Synonym Names	Major prion protein; PrP; CD_antigen=; CD230
Sequence	KKRPKP GGGWNTGGSR YPGQGSPGGN RYPPQGGGSW GQPHGGGWGQ PHGGSWGQPH GGGWGQPHGG GWGQPHGGGG WGQGGTHGQW NKPSKPKTNM KHVAGAAAAG AVVGGLGGYM LGSAMNRPLI HFGNDYEDRY YRENMHRYPN QVYYRPVDQY SNQNNFVRDC VNITVKEHTV TTTTKGENFT ETDIKMMERV VEQMCITQYQ TESQAYYQRG A
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	28,664 Da
Sequence Positions	25-241aa; 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 Q5UJG7
Species	Boselaphus tragocamelus (Nilgai)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for PRNP recombinant protein	MBS1408391 is a recombinant protein targeting PRNP. Also known as Recombinant Boselaphus tragocamelus Major prion protein (PRNP). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of PRNP 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 PRNP. It may not necessarily be applicable to this product.

NCBI GI #	62900675
NCBI Accession #	Q5UJG7.1
UniProt Primary Accession #	Q5UJG7
NCBI Official Full Name	Major prion protein

UniProt Protein Name	Major prion protein
UniProt Synonym Protein Names	CD_antigen: CD230
Protein Family	Major prion protein
UniProt Gene Name	PRNP
UniProt Synonym Gene Names	PRP; PrP
UniProt Entry Name	PRIO_BOSTR
UniProt Comments for PRNP	Its primary physiological function is unclear. Has cytoprotective activity against internal or environmental stresses. May play a role in neuronal development and synaptic plasticity. May be required for neuronal myelin sheath maintenance. May play a role in iron uptake and iron homeostasis. Soluble oligomers are toxic to cultured neuroblastoma cells and induce apoptosis (in vitro). Association with GPC1 (via its heparan sulfate chains) targets PRNP to lipid rafts. Also provides Cu2+ or ZN2+ for the ascorbate-mediated GPC1 deaminase degradation of its heparan sulfate side chains ().
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