Centrosomal Protein of 120 Kda (CEP120) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	Centrosomal protein of 120 kDa (CEP120), Recombinant Protein
Full Product Name	Recombinant Human Centrosomal protein of 120 kDa (CEP120) , partial
Product Gene Name	CEP120 recombinant protein
Product Synonym Gene Name	CEP120
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	42,705 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.
OMIM	613446
3D Structure	ModBase 3D Structure for Q8N960
Species	Human
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for CEP120 recombinant protein	MBS1337077 is a recombinant protein targeting CEP120. Also known as Recombinant Human Centrosomal protein of 120 kDa (CEP120) , partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of CEP120 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 CEP120. It may not necessarily be applicable to this product.

NCBI GI #	261245061
NCBI GeneID	153241
NCBI Accession #	NP_001159698.1
UniProt Primary Accession #	Q8N960
UniProt Secondary Accession #	Q6AI52; Q6AW89; Q8IWB5; Q8N9Y0; Q8NDE8
UniProt Related Accession #	Q8N960
GenBank Nucleotide #	NM_001166226.1

NCBI Official Full Name	centrosomal protein of 120 kDa isoform 2
NCBI Official Synonym Full Names	centrosomal protein 120
NCBI Official Symbol	CEP120
NCBI Official Synonym Symbols	JBTS31; SRTD13; CCDC100
UniProt Protein Name	Centrosomal protein of 120 kDa
UniProt Synonym Protein Names	Coiled-coil domain-containing protein 100
Protein Family	Centrosomal protein
UniProt Gene Name	CEP120
UniProt Synonym Gene Names	CCDC100; Cep120
NCBI Protein Information	centrosomal protein of 120 kDa
NCBI Summary for CEP120	This gene encodes a protein that functions in the microtubule-dependent coupling of the nucleus and the centrosome. A similar protein in mouse plays a role in both interkinetic nuclear migration, which is a characteristic pattern of nuclear movement in neural progenitors, and in neural progenitor self-renewal. Mutations in this gene are predicted to result in neurogenic defects. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2009]
UniProt Comments for CEP120	Plays a role in the microtubule-dependent coupling of the nucleus and the centrosome. Involved in the processes that regulate centrosome-mediated interkinetic nuclear migration (INM) of neural progenitors and for proper positioning of neurons during brain development. Also implicated in the migration and selfrenewal of neural progenitors. Required for centriole duplication and maturation during mitosis and subsequent ciliogenesis ().
Research Articles on CEP120	**1.** The CEP120-associated phenotype ranges from mild classical JS in four patients to more severe conditions in two fetuses.
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