Tetratricopeptide Repeat Protein 21b (TTC21B) Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	Tetratricopeptide repeat protein 21B (Ttc21b), Recombinant Protein
Full Product Name	Recombinant Mouse Tetratricopeptide repeat protein 21B (Ttc21b) , partial
Product Gene Name	Ttc21b recombinant protein
Product Synonym Gene Name	Ttc21b
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	150,795 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 Q0HA38
Species	Mouse
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Ttc21b recombinant protein	MBS1324674 is a recombinant protein targeting Ttc21b. Also known as Recombinant Mouse Tetratricopeptide repeat protein 21B (Ttc21b) , partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Ttc21b 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 Ttc21b. It may not necessarily be applicable to this product.

NCBI GI #	114158711
NCBI GeneID	73668
NCBI Accession #	NP_001041069.1
UniProt Primary Accession #	Q0HA38
UniProt Secondary Accession #	Q3V1U7; Q69Z46
UniProt Related Accession #	Q0HA38
GenBank Nucleotide #	NM_001047604.2
NCBI Official Full Name	tetratricopeptide repeat protein 21B isoform a
NCBI Official Synonym Full Names	tetratricopeptide repeat domain 21B

NCBI Official Symbol	Ttc21b
NCBI Official Synonym Symbols	aln; Thm1; mKIAA1992; 2410066K11Rik
UniProt Protein Name	Tetratricopeptide repeat protein 21B
UniProt Synonym Protein Names	Intraflagellar transport 139 homolog; Tetratricopeptide repeat-containing hedgehog modulator 1
Protein Family	Tetratricopeptide repeat protein
UniProt Gene Name	Ttc21b
UniProt Synonym Gene Names	; TPR repeat protein 21B
NCBI Protein Information	tetratricopeptide repeat protein 21B
UniProt Comments for Ttc21b	Component of the IFT complex A (IFT-A), a complex required for retrograde ciliary transport. Negatively modulates the SHH signal transduction.
Research Articles on Ttc21b	**1.** Thm1-mutant ciliary defect diminishes sensitivity to feeding signals, which alters appetite regulation and leads to hyperphagia, obesity and metabolic disease.
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