BTB/POZ Domain-Containing Protein 7 (BTBD7) Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	BTB/POZ domain-containing protein 7 (Btbd7), Recombinant Protein
Full Product Name	Recombinant Mouse BTB/POZ domain-containing protein 7 (Btbd7) , partial
Product Gene Name	Btbd7 recombinant protein
Product Synonym Gene Name	Btbd7
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	64,072 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 Q8CFE5
Species	Mouse
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Btbd7 recombinant protein	MBS1357508 is a recombinant protein targeting Btbd7. Also known as Recombinant Mouse BTB/POZ domain-containing protein 7 (Btbd7) , partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Btbd7 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 Btbd7. It may not necessarily be applicable to this product.

NCBI GI #	31044481
NCBI GeneID	238386
NCBI Accession #	NP_766394.2
UniProt Primary Accession #	Q8CFE5
UniProt Secondary Accession #	Q80TC3; Q8BZY9
UniProt Related Accession #	Q8CFE5
GenBank Nucleotide #	NM_172806.2
NCBI Official Full Name	BTB/POZ domain-containing protein 7
NCBI Official Synonym Full Names	BTB (POZ) domain containing 7

NCBI Official Symbol	Btbd7
NCBI Official Synonym Symbols	FUP1; mKIAA1525; 8030448M07; 5730507E09Rik; E130118E17Rik
UniProt Protein Name	BTB/POZ domain-containing protein 7
UniProt Synonym Protein Names	Function-unkown protein 1
Protein Family	BTB/POZ domain-containing protein
UniProt Gene Name	Btbd7
UniProt Synonym Gene Names	Fup1; Kiaa1525
NCBI Protein Information	BTB/POZ domain-containing protein 7
UniProt Comments for Btbd7	Acts as a mediator of epithelial dynamics and organ branching by promoting cleft progression. Induced following accumulation of fibronectin in forming clefts, leading to local expression of the cell-scattering SNAIL2 and suppression of E-cadherin levels, thereby altering cell morphology and reducing cell-cell adhesion. This stimulates cell separation at the base of forming clefts by local, dynamic intercellular gap formation and promotes cleft progression.
Research Articles on Btbd7	**1.** Genetic ablation of Btbd7 disrupts branching morphogenesis of salivary gland, lung and kidney. Btbd7 knockout results in more tightly packed outer bud cells, which display stronger E-cadherin localization, reduced cell motility and decreased dynamics of transient cell separations associated with cleft formation; inner bud cells remain unaffected.
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