重组人BLTP2蛋白

Recombinant BLTP2 protein (His tag)

目录号 Catalog Number	538056
同用名 Synonyms	Antigen MLAA-22; Breast cancer-overexpressed gene 1 protein; Protein hobbit homolog
种属 Species	Human
表达系统 Expression System	E. coli
蛋白编号 Accession	Q14667
分子量 Molecular Weight	Predictes a molecular mass of 34.64 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 35 kDa band.

产品信息

氨基酸序列 Amino Acid Sequence	MNHKVHHHHH HGGSVDTFTL IHHELEISTN PAQYAMILDI VNNLLLHVEP KRKEHSEKKQ RVRFQLEISS NPEEQRSSIL HLQEAVRQHV AQIRQLEKQM YSIMKSLQDD SKNENLLDLN QKLQLQLNQE KANLQLESEE LNILIRCFKD FQLQRANKME LRKQQEDVSV VRRTEFYFAQ ARWRLTEEDG QLGIAELELQ RFLYSKVNKS DDTAEHLLEL GWFTMNNLLP NAVYKVVLRP QSSCQSGRQL ALRLFSKVRP PVGGISVKEH FEVNVVPLTI QLTHQFFHRM MGFF
性状 Form	冻干粉末 Lyophilized powder
组分 Formulation	Lyophilized from sterile PBS, pH 7.4
纯度 Purity	>85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
内毒素 Endotoxin	Not tested.
活性 Activity	Not tested.
稳定性 Stability	Samples are stable for up to twelve months from date of receipt at -70℃
蛋白构建 Protein Construction	DNA encoding 1750-2029 aa (Q14667) were fused with N-terminal 6His tag.

保存与运输

复溶 Reconstitution	Reconstitute at 0.25 μg/μl in sterile water for short-term storage. Reconstitution with 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details). If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used). Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.
储存 Storage	Store it under sterile conditions at -20℃ to -80℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
运输 Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

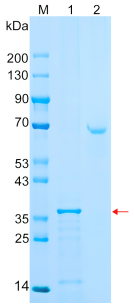
功能描述

研究背景 Background

Recombinant human Bridge-like lipid transfer protein family member 2 (BLTP2) fragment (residues 1750-2029) is a high-quality protein product designed for structural and biochemical studies. This 280-amino acid fragment, computationally selected for stability and solubility, enables researchers to investigate the lipid transport functions of BLTP2 in a manageable and functional format.
Bridge-like lipid transfer protein family member 2 (BLTP2) is a tube-forming lipid transport protein that specifically binds to phosphatidylinositols and modulates the distribution of phosphatidylinositol-4,5-bisphosphate (PtdIns-4,5-P2), playing a crucial role in cellular lipid homeostasis. The protein localizes to multiple membrane compartments, including the cell membrane, endoplasmic reticulum membrane, and mitochondrial membrane, where it facilitates lipid transfer at membrane contact sites such as endoplasmic reticulum-cell membrane and endoplasmic reticulum-mitochondria interfaces. This strategic localization underscores its importance in inter-organelle lipid trafficking and membrane dynamics.

验证数据

SDS-PAGE



Recombinant BLTP2 protein (His tag) SDS-PAGE
M: Marker; Lane 1: BLTP2; Lane 2: BSA