重组人DAPP1蛋白

Recombinant DAPP1 protein (His tag)

目录号 Catalog Number	541548
同用名 Synonyms	hDAPP1; B lymphocyte adapter protein Bam32; B-cell adapter molecule of 32 kDa
种属 Species	Human
表达系统 Expression System	E. coli
蛋白编号 Accession	Q9UN19
分子量 Molecular Weight	Predictes a molecular mass of 33.79 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 36 kDa band.

产品信息

氨基酸序列 Amino Acid Sequence	MSKIKHHHHH HGGSMGRAEL LEGKMSTQDP SDLWSRSDGE AELLQDLGWY HGNLTRHAAE ALLLSNGCDG SYLLRDSNET TGLYSLSVRA KDSVKHFHVE YTGYSFKFGF NEFSSLKDFV KHFANQPLIG SETGTLMVLK HPYPRKVEEP SIYESVRVHT AMQTGRTEDD LVPTAPSLGT KEGYLTKQGG LVKTWKTRWF TLHRNELKYF KDQMSPEPIR ILDLTECSAV QFDYSQERVN CFCLVFPFRT FYLCAKTGVE ADEWIKILRW KLSQIRKQLN QGEGTIRSRS FIFK
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 1-280 aa (Q9UN19) 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.

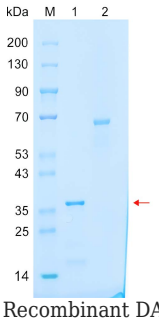
功能描述

研究背景 Background

Recombinant Human DAPP1 (hDAPP1) fragment (amino acids 1-280), a dual adapter protein that plays a key role in B-cell antigen receptor signaling downstream of PI3K. This fragment encompasses the full-length SH2 and PH domains, making it an ideal tool for investigating domain-specific functions in immune signaling pathways.
Dual adapter for phosphotyrosine and 3-phosphotyrosine and 3-phosphoinositide (hDAPP1), also known as B lymphocyte adapter protein Bam32, functions as a B-cell-associated adapter regulating B-cell antigen receptor (BCR)-signaling downstream of PI3K. The protein localizes to the cytoplasm and membrane, where it becomes membrane-associated following cell stimulation, facilitating its translocation. This membrane recruitment mechanism underscores its importance in coordinating signaling events in B-cell immune responses.

验证数据

SDS-PAGE



Recombinant DAPP1 protein (His tag) SDS-PAGE
M: Marker; Lane 1: DAPP1; Lane 2: BSA