重组人LYN蛋白

Recombinant LYN protein (His tag)

目录号 Catalog Number	544329
同用名 Synonyms	Lck/Yes-related novel protein tyrosine kinase; V-yes-1 Yamaguchi sarcoma viral related oncogene homolog; p53Lyn; p56Lyn
种属 Species	Human
表达系统 Expression System	E. coli
蛋白编号 Accession	P07948
分子量 Molecular Weight	Predictes a molecular mass of 52.93 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 56 kDa band.

产品信息

氨基酸序列 Amino Acid Sequence	MNHKVDIVVA LYPYDGIHPD DLSFKKGEKM KVLEEHGEWW KAKSLLTKKE GFIPSNYVAK LNTLETEEWF FKDITRKDAE RQLLAPGNSA GAFLIRESET LKGSFSLSVR DFDPVHGDVI KHYKIRSLDN GGYYISPRIT FPCISDMIKH YQKQADGLCR RLEKACISPK PQKPWDKDAW EIPRESIKLV KRLGAGQFGE VWMGYYNNST KVAVKTLKPG TMSVQAFLEE ANLMKTLQHD KLVRLYAVVT REEPIYIITE YMAKGSLLDF LKSDEGGKVL LPKLIDFSAQ IAEGMAYIER KNYIHRDLRA ANVLVSESLM CKIADFGLAR VIEDNEYTAR EGAKFPIKWT APEAINFGCF TIKSDVWSFG ILLYEIVTYG KIPYPGRTNA DVMTALSQGY RMPRVENCPD ELYDIMKMCW KEKAEERPTF DYLQSVLDDF YTATEGQYQQ QPLEHHHHHH
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 66-512 aa (P07948) were fused with C-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.

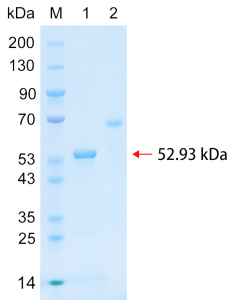
功能描述

研究背景 Background

Recombinant Human Lyn Kinase Fragment (66-512) is a high-purity protein product encompassing the complete SH2 and Protein Kinase domains of Tyrosine-protein kinase Lyn. This fragment serves as an essential research tool for investigating immune signaling pathways, kinase activity, and domain-specific interactions in B-cell regulation, hematopoiesis, and inflammatory responses.
Tyrosine-protein kinase Lyn (encoded by the LYN gene) is a non-receptor tyrosine kinase that plays a pivotal role in regulating innate and adaptive immune responses, hematopoiesis, and cellular signaling pathways. It functions as both a negative regulator and activator depending on cellular context, primarily transmitting signals from immune receptors including B-cell receptors, FC receptors, and Toll-like receptors. Lyn is crucial for B-cell differentiation, proliferation, survival, and immune self-tolerance, while also mediating responses to growth factors, cytokines, and integrin signaling in hematopoietic cells. The protein

验证数据

SDS-PAGE



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