

Recombinant human Lyn protein

Catalog Number: ATGP1918

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-512aa

UniProt No.

P07948

NCBI Accession No.

NP_002341

Alternative Names

Tyrosine-protein kinase Lyn, JTK8, p53Lyn, p56Lyn

PRODUCT SPECIFICATION

Molecular Weight

61.0 kDa (535aa)

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol

Purity

> 85% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE, Denatured

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

Tyrosine-protein kinase Lyn, also known as LYN, is a member of the src family of non-receptor protein tyrosine kinases that is predominantly expressed in haematopoietic tissues. This protein is involved in induction of stress-activated protein kinase (SAPK), but not ERK or p38 MAPK, in response to genotoxic agents. It induces SAPK by a MKK7- and MEKK1-dependent mechanism. The LYN -> MEKK1 -> MKK7 -> SAPK pathway is functional in the induction of apoptosis by genotoxic agents. Recombinant human LYN protein, fused to His-tag at N-terminus, was expressed in E. coli.

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Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH MGS>MGCIKSK GKDSLSDDG V DLKTQPVRNT ERTIYVRDPT SNKQQRVPE
SQLLPGQRFQ TKDPEEQGDI VVALYPYDGI HPDDL SFKKG EKMVLEE HG EWWKAKSLLT KKEGFIPSNY VAKLNTLETE
EWFFKDITRK DAERQLLAPG NSAGAFLIRE SETLKGSFSL SVRDFDPVHG DVIKHYKIRS LDNGGYYISP RITFPCISDM
IKHYQKQADG LCCRLEKACI SPKPQKPWDK DAW EIPRESI KLVKRLGAGQ FGEVW MGYYN NSTKVAVKTL KPGTMSVQAF
LEEANLMKTL QHDKLVRLYA VVTREEPIYI ITEYMAKGS L LDFLKSDEGG KVLLPKLIDF SAQIAEGMAY IERKNYIHRD
LRAANVLVSE SLMCKIADFG LARVIEDNEY TAREGAKFPI KWTAPEAINF GCFTIKSDVW SFGILLYEIV TYGKIPYPGR
TNADVMTALS QGYRMPRVEN CPDELYDIMK MCWKEKAEER PTFDYLQSVL DDFYTATEGQ YQQQP

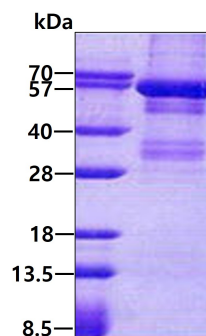
General References

Gaul B.S., et al. (2001) J. Biol. Chem. Res. 275:16174-16182

Rena G., et al. (2001) Mol. Pharmacol. 59:996-1011

DATA

SDS-PAGE



3 μ g by SDS-PAGE under reducing condition and visualized by coomassie blue stain.