

AR50742PU-S

Human LYN (1-512, His-tag) - Purified

Alternate names:

Tyrosine-protein kinase Lyn

Quantity:

0.1 mg

Concentration:

1 mg/ml (determined by Bradford assay)

Background:

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.

Uniprot ID:
[P07948](#)
NCBI:
[NP_002341](#)
GeneID:
[4067](#)
Species:

Human

Source:

E. coli

Format:
State: Liquid purified protein

Purity: >90% by SDS - PAGE

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol

Description:

Recombinant human LYN protein, fused to His-tag at N-terminus, was expressed in E.coli.

AA Sequence:

MGSSHHHHH SGLVPRGSH MGSMGCIKSK GKDSLDDGV DLKTQPVRNT ERTIYVRDPT
SNKQQRVPPE SLLPGQRFQ TKDPEEQGDI VVALYPYDGI HPDDLSEFKKG EKMKVLEEHG
EWWKAKSLLT KKEGFIPSNY VAKLNTLETE EWFFKDITRK DAERQLLAPG NSAGAFIRE
SETLKGSFSL SVRDFDPVHG DVIKHYKIRS LDNGGYYISP RITFPCISDM IKHYQKQADG
LCRRLEKACI SPKPQKPWDK DAWIIPRESI KLVKRLGAGQ FGEVWMGYNN NSTKVAVKTL
KPGTMSVQAF LEEANLMKTL QHDKLVRLYA VVTREEPIYI ITEYMAKGS LDFLKSDEGG
KVLLPKLIDF SAQIAEGMAY IERKNYIHRD LRAANVLVSE SLMCKIADFG LARVIEDNEY
TAREGAKFPI KWTAPAEINF GCFTIKSDVW SFGILLYEIV TYGKIPYPGR TNADVMTALS
QGYRMPRVEN CPDELYDIMK MCWKEKAEER PTFDYLQSVL DDFYTATEGQ YQQQP

Molecular weight: 61.0 kDa (535aa)

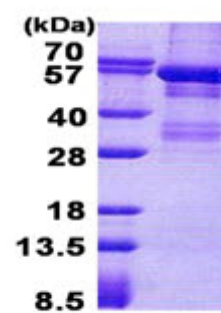
Storage:

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.
Avoid repeated freezing and thawing. Shelf life: one year from despatch.

General Readings:

Gaul B.S., et al. (2001) J. Biol. Chem. Res. 275:16174-16182
Rena G., et al. (2001) Mol. Pharmacol. 59:996-1011

Pictures:



15% SDS-PAGE (3ug)