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LYN Human

v-yes-1 Yamaguchi Sarcoma Viral Related Oncogene Human Recombinant
RCP1288

Product Overview

Name	LYN Human

Description

v-yes-1 Yamaguchi Sarcoma Viral Related Oncogene Human Recombinant

Accession (Primary)	P07948

Synonyms

Tyrosine-protein kinase Lyn, Lck/Yes-related novel protein tyrosine kinase, V-yes-1 Yamaguchi sarcoma viral related oncogene homolog, p53Lyn, p56Lyn, JTK8, EC 2.7.10, LYN Proto-Oncogene, Src Family Tyrosine Kinase, V-Yes-1 Yamaguchi Sarcoma Viral Related Oncogene Homolog, Lck/Yes-Related Novel Protein Tyrosine Kinase, EC 2.7.10.2.

Introduction

Tyrosine-protein kinase Lyn (LYN) belongs to the src family of non-receptor protein tyrosine kinases, which is primarily expressed in haematopoietic tissues. LYN protein is involved in induction of stress-activated protein kinase (SAPK), but not ERK or p38 MAPK, in response to genotoxic agents. LYN protein stimulates SAPK by a MKK7- and MEKK1-dependent mechanism. The LYN - MEKK1 - MKK7 - SAPK pathway is efficient in the induction of apoptosis by genotoxic agents.

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered colorless solution.

Formulation

The LYN solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0) ,0.4M urea and 10% glycerol.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Purity

Greater than 85.0% as determined by SDS-PAGE.

Amino acid sequence

MGSSHHHHHH SSGLVPRGSH MGS MGCIKSK GKDSLSDDGV DLKTQPVRNT ERTIYVRDPT SNKQQRPVPE SQLLPGQRFQ TKDPEEQGDI VVALYPYDGI HPDDLSFKKG EKMKVLEEHG EWWKAKSLLT KKEGFIPSNY

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VAKLNTLETE EWFFKDITRK DAERQLLAPG NSAGAFLIRE SETLKGSFSL SVRDFDPVHG DVIKHYKIRS LDNGGYYISP RITFPCISDM IKHYQKQADG LCRRLEKACI SPKPQKPWDK DAWEIPRESI KLVKRLGAGQ FGEVWMGYYN NSTKVAVKTL KPGTMSVQAF LEEANLMKTL QHDKLVRLYA VVTREEPIYI ITEYMAKGSL LDFLKSDEGG KVLLPKLIDF SAQIAEGMAY IERKNYIHRD LRAANVLVSE SLMCKIADFG LARVIEDNEY TAREGAKFPI KWTAPEAINF GCFTIKSDVW SFGILLYEIV TYGKIPYPGR TNADVMTALS QGYRMPRVEN CPDELYDIMK MCWKEKAEER PTFDYLQSVL DDFYTATEGQ YQQQP.

Precautions

LYN Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P07948)