

**LYN, 1-512aa Human, His tag, E.coli**

**Cat.NO.: TP02866**

3th Edition

**Synonyms:** Tyrosine-protein kinase Lyn, JTK8, p53Lyn, p56Lyn

**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.

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

**Molecular Weight:** 61.0 kDa (535aa)

**Sequences:**

MGSSHHHHHSSGLVPRGSHMGSMGCIKSKGKDSLSDDGVDLKTQPVRNTERTIYVRDPTSNKQQRVPESQLL  
PGQRFQTKDPEEQGDIVVALYPYDGIHPDDL SFKKGEKMKVLEE HGEWWKAKSLLTKKEGFIPSNYVAKLNTLETE  
EWFFKDITRKDAERQLLAPGNSAGAF LIRESETLKG SFSLSVRDFDPVHG DVIKHYKIRSLDNGGYYISPRITFPCISD  
MIKHYQKQADGLCRRLEKACISP KPKPDKDAWEIPRESIKLVKRLGAGQFGEVWMGYNNSTKVAVKTLKPGT  
MSVQAFLEEANLMKTLQHDKLVRLYAVVTRE EPIYIITEYMAKGSLLDFLKSDEGGKVLLPKLIDFSAQIAEGMAYIER  
KNYIHRDLRAANVLVSESLMCKIADFG LARVIEDNEYTAREGAKFPIKWTAPEAINFGCFTIKSDVWSFGILLYEIVTY  
GKIPYPGRTNADVMTALSQGYRMPRVENCPDELYDIMKMCWKEKAEERPTFDY LQSVLDDFYTATEGQYQQQP

**Purity:** > 95% by HPLC

**Concentration:** 1 mg/ml (determined by Bradford assay)

**Endotoxin Level:** <1.0 EU per 1 µg of protein (determined by LAL method)

**Storage:** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.