

STAP1, 1-295aa, Human, His tag, E.coli

Cat.NO.: TP04050

3th Edition

Synonyms:Signal-transducing adaptor protein 1, BRDG1, STAP-1

Description:STAP1, also known as signal-transducing adaptor protein 1, appears to functions as a docking protein acting downstream of Tec tyrosine kinase in B cell antigen receptor signaling. The protein is directly phosphorylated by Tec in vitro where it participates in a positive feedback loop, increasing Tec activity. Recombinant human STAP1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.

Form:Liquid. 20mM Tris-HCl buffer (pH8.0) containing 30% glycerol, 0.1M NaCl, 1mM DTT

Molecular Weight:36.8 kDa (319aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMGSHMMAKKPPKPAPRRIFQERLKITALPLYFEGFLLIKRSYREYEHYWTELRG
TTLFFYTDKKSIIYVDKLDIVDLTCLTEQNSTKNAKFTLVLPKEEVQLKTENTESGEEWRGFILTVTELSVPPQNVSL
LPGQVIKLHEVLEREKKRRIETEQSTSVEKEKEPTEDYVDVLNPMMPACFYTVSRKEATEMLQKNPSLGNMILRPGSD
SRNYSITIRQEIDIPRIKHYKVMSSVGQNYTIELEKPVTLPLNLFVIDYFVKETRGNLRPFICSTDENTGQEPSMEGRSE
KLKKNPHIA

Purity:> 95% by HPLC

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

Endotoxin Level:<1.0 EU per 1 ug 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.