

32-4975: Recombinant Human Signal Transducing Adaptor Family Member 1

Alternative Name : Signal-transducing adaptor protein 1, STAP-1, BCR downstream-signaling protein 1, Docking protein BRDG1, Stem cell adaptor protein 1, STAP1, BRDG1.

Description

Source : Escherichia Coli. STAP1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 319 amino acids (1-295 a.a) and having a molecular mass of 36.8kDa. STAP1 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Signal-transducing adaptor protein 1 (STAP1) acts as a docking protein which operates downstream of Tec tyrosine kinase in B cell antigen receptor signaling. The STAP1 protein is directly phosphorylated by Tec in vitro where it partakes in a positive feedback loop, increasing Tec activity.

Product Info

Amount : 20 µg
Purification : Greater than 95.0% as determined by SDS-PAGE.
Content : STAP1 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 30% glycerol, 0.1M NaCl and 1mM DTT.
Storage condition : 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.
Amino Acid : MGSSHHHHHH SSGLVPRGSH MGSHMMAKKP PKPAPRRIFQ ERLKITALPL YFEGFLLIK RSGYREYEHYW TELRGTTLFF YTDKKSIIYV DKLDIVDLTC LTEQNSTEKN CAKFTLVLPK EEVQLKTENT ESGEWRGFI LVTLSVPQ NVSLLPGQVI KLHEVLEREK KRRIETEQT SVEKEKEPTE DYVDVLNPMP ACFYTVSRKE ATEMLQKNPS LGNMILRPGS DSRNYSITIR QEIDIPRIKH YKVMSVGQNY TIELEKPVTL PNLFSVIDYF VKETRGNLRP FICSTDENTG QEPSMEGRSE KLKKNPHIA.

