

AR50376PU-N

Human STAP1 / BRDG1 (1-295, His-tag) - Purified

Alternate names:

BCR downstream-signaling protein 1, Docking protein BRDG1, STAP-1, Signal-transducing adaptor protein 1, Stem cell adaptor protein 1

Quantity:

0.5 mg

Concentration:

1 mg/ml (determined by Bradford assay)

Background:

STAP1, also known as signal-transducing adaptor protein 1, appears to function 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.

Uniprot ID:

[Q9ULZ2](#)

NCBI:

[NP_036240.1](#)

GeneID:

[26228](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >95% by SDS - PAGE

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

Description:

Recombinant human STAP1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.

AA Sequence:

MGSSHHHHH SGLVPRGSH MGSMMAKKP PKPAPRRIFQ ERLKITALPL YFEGFLIKR
SGYREYEHYW TELRGTTLFF YTDKKSIIYV DKLDIVDLTC LTEQNSTEKN CAKFTLVLPK
EEVQLKTENT ESGEEWRGFI LTVTELSVPQ NVSLLPGQVI KLHEVLEREK KRRIETEQT
SVEKEKEPTE DYVDVLPMP ACFYTVSRKE ATEMLQKNPS LGNMILRPGS DSRNYSITIR
QEIDIPRIKH YKVMVGQNY TIELEKPVTL PNLFSVIDYF VKETRGNLRP FICSTDENTG
QEPSMEGRSE KLKKNPHIA

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

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:

Ohya K., et al. (1999) Proc. Natl. Acad. Sci. U.S.A. 96:11976-11981
Beausoleil S.A., et al. (2006) Nat. Biotechnol. 24:1285-1292

Pictures:

