

Recombinant Human Signal Transducing Adaptor Family Member 1, His-tagged

Cat. No. STAP1-6781H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant humanSTAP1 protein, fused to His-tag at N-terminus, was expressed in E.coli andpurified by using conventional chromatography
Species	Human
Source	E.coli
Description	STAP1, also known assignal-transducing adaptor protein 1, appears to functions as a dockingprotein acting downstream of Tec tyrosine kinase in B cell antigen receptorsignaling. The protein is directly phosphorylated by Tec in vitro where itparticipates in a positive feedback loop, increasing Tec activity
Form	20mM Tris-HCl buffer(pH8.0) containing 30% glycerol, 0.1M NaCl, 1mM DTT
Molecular Weight	36.8 kDa (319aa),confirmed by MALDI-TOF
Purity	> 95% by SDS -PAGE
Concentration	1 mg/ml (determinedby Bradford assay)
Sequences of aminoacids	MGSSHHHHHHSSGLVPRGSH MGSMMMAKKP PKPAPRRIFQ ERLKITALPL YFEGFLLIKR SGYREYEHYW TELRGTTLFFYTDKKSIIYV DKLDIVDLTC LTEQNSTEKN CAKFTLVLPK EEVQLKTENT ESGEEWGRFI LTVTELSVPQNVSLPGQVI KLHEVLEREK KRRIETEQTST SVEKEKEPTE

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DYVDVLNPMP ACFYTVSRKE ATEMLQKNPSLGNMILRPGS DSRNYSITIR
 QEIDIPRIKH YKVMSVGQNY TIELEKPVTL PNLFSVIDYF
 VKETRGNLRPFICSTDENTG QEPSMEGRSE KLKKNPHIA

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.

GENE INFORMATION
Gene Name

STAP1 signal transducing adaptor family member 1 [Homo sapiens]

Official Symbol

STAP1

Synonyms

STAP1; signal transducing adaptor family member 1; signal-transducing adaptor protein 1; BCR downstream signaling 1; BRDG1; STAP 1; BCR downstream signaling protein 1; BRDG1; Docking protein BRDG1; Signal transducing adaptor family member 1; Signal transducing adaptor protein 1; STAP 1; STAP1; Stem cell adaptor protein 1; docking protein BRDG1; stem cell adaptor protein 1; BCR downstream-signaling protein 1; signal-transducing adaptor protein-1; STAP-1

Gene ID

26228

mRNA Refseq

NM_012108

Protein Refseq

NP_036240

MIM

604298

Uniprot ID

Q9ULZ2

Chromosome

4q13.2

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Location

Pathway

B Cell Receptor Signaling Pathway,organism-specific biosystem; Kit Receptor Signaling Pathway,organism-specific biosystem; Signaling events mediated by Stem cell factorreceptor (c-Kit), organism-specific biosystem

Function

SH3/S2 adaptor activity

PDB rendering based on 1x1f.

