Product Data Sheet

Product Name:	STAP1 Human
Cat. No.:	GP24713
Batch No.:	1

Product Data

Purity	>98%	Source	Escherichia Coli.
Phycical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Signal-transducing adaptor protein 1; STAP-1; BCR downstream-signaling protein 1; Docking protein BRDG1; Stem cell adaptor protein 1; STAP1; BRDG1.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSHMMAKKP PKPAPRRIFQ ERLKITALPL YFEGFLLIKR SGYREYEHYW TELRGTTLFF YTDKKSIIYV DKLDIVDLTC LTEQNSTEKN CAKFTLVLPK EEVQLKTENT ESGEEWRGFI LTVTELSVPQ NVSLLPGQVI KLHEVLEREK KRRIETEQST SVEKEKEPTE DYVDVLNPMP ACFYTVSRKE ATEMLQKNPS LGNMILRPGS DSRNYSITIR QEIDIPRIKH YKVMSVGQNY TIELEKPVTL PNLFSVIDYF VKETRGNLRP FICSTDENTG QEPSMEGRSE KLKKNPHIA.		
Formulation	STAP1 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 30% glycerol, 0.1M NaCl and 1mM DTT.		

Introduction

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.

Stability

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.

Background

STAP1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide

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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.

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