

STAP1 Human

Description: 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.

Catalog #: PRPS-1117

For research use only.

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

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence: MGSSHHHHH SSGLVPRGSH MGSHMMAKKP PKPAPRRIFQ
ERLKITALPL YFEGFLIKR SGYREYEHYW TELRGTTLFF YTDKKSIIYV DKLDIVDLTC
LTEQNSTEKN CAKFTLVLPK EEVQLKTENT ESGEWRGFI LVTLSVPQ NVSLLPGQVI
KLHEVLEREK KRRIETEQT SVEKEKEPTE DYVDVLPMP ACFYTVSRKE ATEMLQKNPS
LGNMILRPGS DS

Purity: Greater than 95.0% as determined by SDS-PAGE.

Formulation:

STAP1 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 30% glycerol, 0.1M NaCl and 1mM DTT.

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.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

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.

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