

Recombinant Human STAP1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. STAP1-5721H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	STAP1 MS Standard C13 and N15-labeled recombinant protein (NP_036240) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The protein encoded by this gene contains a proline-rich region, a pleckstrin homology (PH) domain, and a region in the carboxy terminal half with similarity to the Src Homology 2 (SH2) domain. This protein is a substrate of tyrosine-protein kinase Tec, and its interaction with tyrosine-protein kinase Tec is phosphorylation-dependent. This protein is thought to participate in a positive feedback loop by upregulating the activity of tyrosine-protein kinase Tec. Variants of this gene have been associated with autosomal-dominant hypercholesterolemia (ADH), which is characterized by elevated low-density lipoprotein cholesterol levels and in increased risk of coronary vascular disease. Alternative splicing results in multiple transcript variants.
Molecular Mass	34.3 kDa
AA Sequence	MMAKKPPKPAPRRIFQERLKITALPLYFEGFLLIKRSGYREYEHYWTELRGTTLFFYT DKKSIYVDKLDIVDLTCLTEQNSTEKNCAKFTLVLPKEEVQLKTENTESGEEWRGFIL TVTELSVPQNVSLPLPGQVIKLHEVLEREKKRRIETEQTSTVEKEKEPTEDYVDVLNPM

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PACFYTVSRKEATEMLQKNPSLGNMILRPGSDSRNYSITIRQEIDIPRIKHYKVMSVG
QNYTIELEKPVTLPLNLFVIDYFVKETRGNLRPFICSTDENTGQEPSMEGRSEKLKKN
PHIATRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name STAP1 signal transducing adaptor family member 1 [Homo sapiens (human)]

Official Symbol STAP1

Synonyms STAP1; signal transducing adaptor family member 1; signal-transducing adaptor protein 1; BCR downstream signaling 1; BRDG1; STAP 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

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MIM 604298

UniProt ID Q9ULZ2

SDS-PAGE



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