

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

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

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | STAP1 MS Standard C13 and N15-labeled recombinant protein (NP_036240) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Description</b>      | 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. |
| <b>Molecular Mass</b>   | 34.3 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>AA Sequence</b>      | MMAKKPPKPAPRRIFQERLKITALPLYFEGFLLIKRSGYREYEHYWTELRGTTLFFYT<br>DKKSIYVDKLDIVDLTCLTEQNSTEKNCAKFTLVLPKEEVQLKTENTESGEEWRGFIL<br>TVTELSVPQNVSLPLPGQVIKLHEVLEREKKRRIETEQSTSVEKEKEPTEDYVDVLNPM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

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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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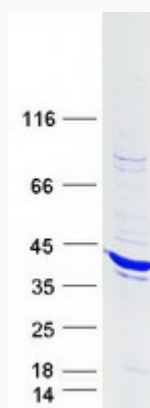
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MIM 604298

UniProt ID Q9ULZ2

SDS-PAGE



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