

## Product datasheet for **TP304854M**

### BRDG 1 (STAP1) (NM\_012108) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human signal transducing adaptor family member 1 (STAP1), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC204854 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MMAKKPPKPAPRRIFQERLKITALPLYFEGFLLIKRSQYREYEHYWTELRGTTLFFYTDKKSIIYVDKLD  
IVDLTCLTEQNSTKNC AKFTLVLPKEEVQLKTENTESGEEWRGFILVTLSVPQNVSLLPQVIKLHE  
VLEREKKRRIETEQSTSVEKEKEPTEDYVDVLPMPACFYTVSRKEATEMLQKNPSLGNMILRPGSDSRN  
YSITIRQEIDIPRIKHYKVM SVGQNYTIELEKPVTLNLFVIDYFVKETRGNLRPFICSTDENTGQEPS  
MEGRSEKLKKNPHIA

**TR**TRPLE**Q**KLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	34.1 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u><a href="#">NP_036240</a></u>
Locus ID:	26228



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UniProt ID: [Q9ULZ2](#)

RefSeq Size: 1524

Cytogenetics: 4q13.2

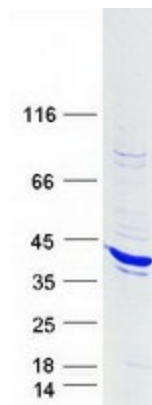
RefSeq ORF: 885

Synonyms: BRDG1; STAP-1

**Summary:** 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. [provided by RefSeq, Dec 2015]

**Protein Families:** Druggable Genome

### Product images:



Coomassie blue staining of purified STAP1 protein (Cat# [TP304854]). The protein was produced from HEK293T cells transfected with STAP1 cDNA clone (Cat# [RC204854]) using MegaTran 2.0 (Cat# [TT210002]).