

Product datasheet for PH304854

BRDG 1 (STAP1) (NM_012108) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	STAP1 MS Standard C13 and N15-labeled recombinant protein (NP_036240)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC204854
Predicted MW:	34.3 kDa
Protein Sequence:	>RC204854 protein sequence Red=Cloning site Green=Tags(s)

MMAKKPPKPAPRRIFQERLKITALPLYFEGFLLIKRSGYREYEHYWTELRGTTLFFYTDKKSIIYVDKLD
IVDLTCLTEQNSTEKNAKFTLVLPKEEVQLKTENTESGEEWRGFILTVTEL SVPQNVSLLPQVIKLHE
VLEREKRRRIETEQSTSVEKEKEPTEDYVDVLPMPACFYTVSRKEATEMLQKNPSLGNMILRPGSDSRN
YSITIRQEIDIPRIKHYKMSVQNYTIELEKPVTLPNLFSVIDYFVKETRGNLRPFICSTDENTGQEPS
MEGRSEKLLKNPHIA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_036240
RefSeq Size:	1524
RefSeq ORF:	885
Synonyms:	BRDG1; STAP-1
Locus ID:	26228



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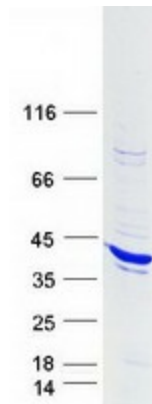
UniProt ID: [Q9ULZ2](#), [A0A024RD91](#)

Cytogenetics: 4q13.2

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]).