

Product datasheet for PH303999

SH3BP5 (NM_004844) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	SH3BP5 MS Standard C13 and N15-labeled recombinant protein (NP_004835)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC203999
Predicted MW:	50.4 kDa
Protein Sequence:	>RC203999 protein sequence Red=Cloning site Green=Tags(s)

MDAALKRSRSEEPAEILPPARDEEEEEEGMEQGLEEEEEVDPRIQGELEKLNQSTDDINRRETELEDAR
QKFRSVLVEATVKLDELVKKIGKAVEDSKPYWEARRVARQAQLEAQKATQDFQRATEVLRRAKETISLAE
QRLLDDKRQFDSAWQEMLNHATQRMVAEQTKTRSELVHKETAARYNAAMGRMRQLEKLLKRAINKSKP
YFELKAKYVVQLEQLKKTVDLQAKLTLAKGEYKALKNLEMISDEIHERRRSSAMGPRGCGVGAEGSST
SVEDLPGSKPEPDAISVASEAFEDDSCSNFVSEDDSETQSVSSFSSGPTSPSEMPDQFPVAVRPGSLDLP
SPVSLSEFGMMFPVLGPRSECSGASSPECEVERGDRAEGAENKTSKANNRGLSSSSGGSSKSSQSSST
SPEGQALENRMKQLSLQCSKGRDGIADIKMVQIG

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:	<u>NP_004835</u>
RefSeq Size:	3322
RefSeq ORF:	1365
Synonyms:	SAB; SH3BP-5



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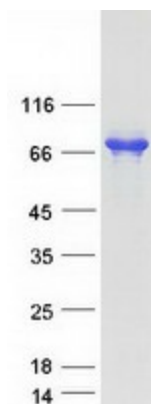
Locus ID: 9467

UniProt ID: [O60239](#)

Cytogenetics: 3p25.1

Summary: Functions as guanine nucleotide exchange factor (GEF) with specificity for RAB11A and RAB25 (PubMed:26506309, PubMed:30217979). Inhibits the auto- and transphosphorylation activity of BTK. Plays a negative regulatory role in BTK-related cytoplasmic signaling in B-cells. May be involved in BCR-induced apoptotic cell death.[UniProtKB/Swiss-Prot Function]

Product images:



Coomassie blue staining of purified SH3BP5 protein (Cat# [TP303999]). The protein was produced from HEK293T cells transfected with SH3BP5 cDNA clone (Cat# [RC203999]) using MegaTran 2.0 (Cat# [TT210002]).