

Product datasheet for PH300950

KBTBD6 (NM_152903) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	KBTBD6 MS Standard C13 and N15-labeled recombinant protein (NP_690867)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200950
Predicted MW:	76.1 kDa
Protein Sequence:	>RC200950 protein sequence Red=Cloning site Green=Tags(s)

MQSREDAPRSRRLASPRGGKRPKKIHKPTVSAFFTGPEELKDTAHS AALLAQLKSFYDARLLCDVTIEVV
TPGSGPGTGRLFPCNRNVLAAACPYFKSMFTGGMYESQQASVTMHDVDAESFEVLVDYCYTGRVSLSEAN
VERLYAASDMLQLEYVREACASFLARRLDLTNCTAILKFADAFGHRKLRSAQSYIAQNFQQLSHMGSIR
EETLADLTLAQLLAVLRDLSDLVESEQTVCHVAVQWLEAAPKERGPSAAEVFKCVRWMHFTEEDQDYLEG
LLTKPIVKKYCLDVIIEGALQMRYGDLLYKSLVPVPNSSSSSSSSNSLVSAANPPQRLGMCAKEMVIFFG
HPRDPFLCCDPYSGDLKVPSPSLTCLAHTRVTTLAVCISPDHDIYLAAPRDTLWVYKPAQNSWQQLAD
RLLCREGMDVAYLNGYIYILGGRDPIITGVKLKEVECYNVKRNQWALVAPLPHSFLSFDLMVIRDYLYALN
SKRMFCYDPSHNMWLKCVSLKRNDFQEACVFNEEICYICDIPVMKYVNPVRAEWRQMNIPLVSETNNYR
I IKHGQKLLLITSRTPQWKKNRVTVYEYDIRGDQWINIGTTLGLLQFDSNFFCLSARVYPSCLEPGQSFL
TEEEEIPSESSTEWDLGGFSEPDSESGSSSSLDLDDFWVRVAPQ

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

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- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-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_690867</u>
RefSeq Size:	5228



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RefSeq ORF: 2022

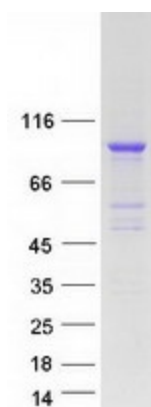
Locus ID: 89890

UniProt ID: [Q86V97](#)

Cytogenetics: 13q14.11

Summary: As part of the CUL3(KBTBD6/7) E3 ubiquitin ligase complex functions as a substrate adapter for the RAC1 guanine exchange factor (GEF) TIAM1, mediating its 'Lys-48' ubiquitination and proteasomal degradation (PubMed:25684205). By controlling this ubiquitination, regulates RAC1 signal transduction and downstream biological processes including the organization of the cytoskeleton, cell migration and cell proliferation (PubMed:25684205). Ubiquitination of TIAM1 requires the membrane-associated protein GABARAP which may restrict locally the activity of the complex (PubMed:25684205).[UniProtKB/Swiss-Prot Function]

Product images:



Coomassie blue staining of purified KBTBD6 protein (Cat# [TP300950]). The protein was produced from HEK293T cells transfected with KBTBD6 cDNA clone (Cat# [RC200950]) using MegaTran 2.0 (Cat# [TT210002]).