

## Product datasheet for TP300950

### KBTBD6 (NM\_152903) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human kelch repeat and BTB (POZ) domain containing 6 (KBTBD6), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC200950 protein sequence Red=Cloning site Green=Tags(s)

MQSREDAPRSRRLASPRGGKRPKKIHKPTVSAFFTGPEELKDTAHSAAQLKSFYDARLLCDVTIEV  
TPGSGPGTGRLFPCNRNVLAAACPYFKSMFTGGMYESQQASVTMHDVDAESFEVLVDYCYTGRVSLSEAN  
VERLYAASDMLQLEYVREACASFLARRDLTNTAILKFADAFGHRKLRSAQSYIAQNFKQLSHMGSIR  
EETLADLTLAQLLAVLRDLSLDVESEQTVCHVAVQWLEAAPKERGPSAAEVFKCVRWMHFTEEDQDYLEG  
LLTKPIVKKYCLDVIEGALQMRYGDLLYKSLVPVNSSSSSSSSNSLVSAENPPQRLGMC AKEMVIFFG  
HPRDPFLCCDPYSGDLYKVPSPCLTAHTRVTTLAVCISPDHDIYLAAPRTDLWVYKPAQNSWQQLAD  
RLLCREGMDVAYLNGYIYLGGDRPITGVKLEVECYNVKRNQWALVAPLPHSFLSFDLMVIRDYLYALN  
SKRMFCYDPSHNMWLKCVSLKRNDQFQACVFNEEYICIDIPVMKVYNPVRAEWRQMNNIPLVSETNNYR  
IIKHGQKLLLITSRTPQWKKNRVTVYEYDIRGDQWINIGTTLGLLQFDSNFFCLSARVYPSCLEPGQSFL  
TEEEEIPSESSTEWDLGGFSEPDSESGSSSSSLDDDFWVRVAPQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

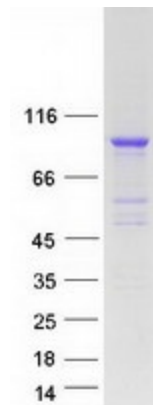
Tag:	C-Myc/DDK
Predicted MW:	76 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity 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.



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<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_690867</a>
<b>Locus ID:</b>	89890
<b>UniProt ID:</b>	<a href="#">Q86V97</a>
<b>RefSeq Size:</b>	5228
<b>Cytogenetics:</b>	13q14.11
<b>RefSeq ORF:</b>	2022
<b>Summary:</b>	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]).