

## Product datasheet for **TP300804**

### **C3orf10 (BRK1) (NM\_018462) Human Recombinant Protein**

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human chromosome 3 open reading frame 10 (C3orf10), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC200804 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	MAGQEDPVQREIHQDWANREYIEITSSIKKIADFLNSFDMSCRSRLATLNEKLTALERRIEYIEARVTK GETLT
	<b>TR</b> TRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	8.6 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:	<a href="#">NP_060932</a>
Locus ID:	55845
UniProt ID:	<a href="#">Q8WUW1</a>
RefSeq Size:	1197
Cytogenetics:	3p25.3



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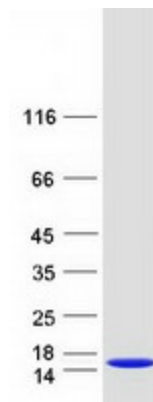
RefSeq ORF: 225

Synonyms: C3orf10; hHBrk1; HSPC300; MDS027

Summary: Involved in regulation of actin and microtubule organization. Part of a WAVE complex that activates the Arp2/3 complex. As component of the WAVE1 complex, required for BDNF-NTRK2 endocytic trafficking and signaling from early endosomes (By similarity).  
[UniProtKB/Swiss-Prot Function]

Protein Pathways: Regulation of actin cytoskeleton

### Product images:



Coomassie blue staining of purified BRK1 protein (Cat# TP300804). The protein was produced from HEK293T cells transfected with BRK1 cDNA clone (Cat# [RC200804]) using MegaTran 2.0 (Cat# [TT210002]).