

## Product datasheet for **TP323042M**

### **PGBD1 (NM\_032507) Human Recombinant Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Recombinant protein of human piggyBac transposable element derived 1 (PGBD1), 100 µg
<b>Species:</b>	Human
<b>Expression Host:</b>	HEK293T
<b>Expression cDNA Clone or AA Sequence:</b>	>RC223042 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MYEALPGPAPENEDGLVKVKEEDPTWEQVCNSQEGSSHTQEICRLRFRHFYQEAHGPQEALQRLRELC  
QWLRPEMHTKEQIMELLVLEQFLTILPKELQPCVKTYPLESGEEAVTVLENLETGSGDTGQQASVYIQGQ  
DMHPMVAEYQGVSLQCQLLPGITTLKCEPPQRPQGNPQEVSGPVPHGSAHLQEKNPDKAVVPVFN  
VRSQTLVKTEETAQAVAAEKWSHLSLTRRNLGNSAQETVMSLSPMTEEIVTKDRLFKAKQETSEEMEQ  
SGEASGKPNRECAPQIPCSTPIATERTVAHLNLTLDKDRHPGDLWARMHISSLEYAAGDITRKRKKDKARV  
SELLQGLSFGSDSDVEKDNEPEIQPAQKKLVSCFPEKSWTKRDIKPNFSPWSALDSGLLNKSEKLN  
ELFELFFDDETFNLIVNETNNYASQKNVSLEVTVQEMRCVFGVLLSGFMRHPRREMYWEVSDTDQNLV  
DAIRRRDFELIFSNLHFADNGHLDQKDKFTKLRPLIKQMNKNFLYAPLEEYCFDKSMCECFDSDQFLN  
GKPIRIGYKIWCSTTTQGYLVWFEPYQEESTMKVDEDPDLGLGGLNLMNFADVLLERQYPYHLCFDSFF  
TSVKLLSALKKGVVATGTIRENRTEKPLMNVHEMCKMGRGYDFRIEENNEILCRWYGDGIIISLCSN  
AVGIEPVNEVSCDADNEEIPQISQPSIVKVYDECKEKGVAKMDQIISKYRVRIRSKKWYSILVSYMIDVA  
MNNAWQLHRACNPGASLDPLDFRRFVAHFYLEHNAHLS

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

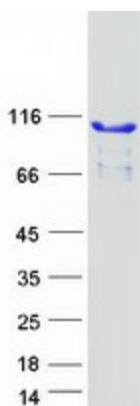
<b>Tag:</b>	C-Myc/DDK
<b>Predicted MW:</b>	92.3 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.



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<b>Storage:</b>	Store at -80°C.
<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_115896</a>
<b>Locus ID:</b>	84547
<b>UniProt ID:</b>	<a href="#">Q96J53</a>
<b>RefSeq Size:</b>	3135
<b>Cytogenetics:</b>	6p22.1
<b>RefSeq ORF:</b>	2427
<b>Synonyms:</b>	dj874C20.4; HUCEP-4; SCAND4
<b>Summary:</b>	The piggyBac family of proteins, found in diverse animals, are transposases related to the transposase of the canonical piggyBac transposon from the moth, <i>Trichoplusia ni</i> . This family also includes genes in several genomes, including human, that appear to have been derived from the piggyBac transposons. This gene belongs to the subfamily of piggyBac transposable element derived (PGBD) genes. The PGBD proteins appear to be novel, with no obvious relationship to other transposases, or other known protein families. This gene product is specifically expressed in the brain, however, its exact function is not known. Alternative splicing results in multiple transcript variants encoding the same protein.[provided by RefSeq, May 2010]
<b>Protein Families:</b>	Druggable Genome, Transcription Factors

### Product images:



Coomassie blue staining of purified PGBD1 protein (Cat# [TP323042]). The protein was produced from HEK293T cells transfected with PGBD1 cDNA clone (Cat# [RC223042]) using MegaTran 2.0 (Cat# [TT210002]).