

## Product datasheet for **TP308977M**

### **PGBD3 (NM\_170753) Human Recombinant Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Recombinant protein of human piggyBac transposable element derived 3 (PGBD3), 100 µg
<b>Species:</b>	Human
<b>Expression Host:</b>	HEK293T
<b>Expression cDNA Clone or AA Sequence:</b>	>RC208977 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MPRTLSLHEITDLLETDDSI EASAI VIQPPENATAPVSDEESGDEEGGTINNLP GSLLHTAAYLIQDGSD  
AESDSDPSYAPKDDSPDEV PSTFTVQQPPPSRRRKMTKILCKWKKADLTVPVAGRVTAPPNDFFTVMR  
TPTEILELFLDDEVIELIVKYSNLYACSKGVHLGLTSSSEFKCFLGIIFLSGYVSVPRRRMFWEQRTDVHN  
VLVSAAMRRDRFETIFSNLHVADNANLDPVDKFSKLRPLISKLNERNMCKFVNPETYFSFDEFMVPYFGRH  
GCKQFIRGKPIRFYKFWCGATCLGYICWFQPYQGNPNTKHEEYGVGASLVLQFSEALTEAHPGQYHFV  
FNNFFTSIALLDKLSM GHQATGTVRKDHIDKVPLESDVALKKKERGTFDYRIDGKGNIVCRWWDNSVVT  
VASSGAGIHPCLVSRYSQKLKKKIQQPNMIKVYNQFMGGVDRADENIDKYRASIRGKKWYSSPLLFC  
FELVLQNAWQLHKTYDEKPVDFLEFRRRVCHYLETHGHPPEPGQKGRPQKRNIDSRDGINHVIVKQGGK  
QTRCAECHKNTTFRCEKCDVALHVKCSVEYHTE

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

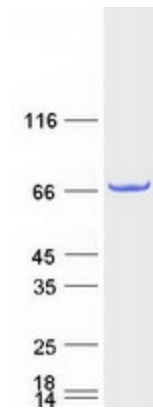
<b>Tag:</b>	C-Myc/DDK
<b>Predicted MW:</b>	67.4 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Preparation:</b>	Recombinant protein 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.
<b>Storage:</b>	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_736609</a>
<b>Locus ID:</b>	267004
<b>UniProt ID:</b>	<a href="#">Q8N328</a>
<b>RefSeq Size:</b>	2266
<b>Cytogenetics:</b>	10q11.23
<b>RefSeq ORF:</b>	1779
<b>Summary:</b>	This gene is a member of a small family of genes derived from piggyBac transposable elements. The encoded protein contains a zinc-ribbon domain characteristic of transposon-derived proteins and may function as a regulator of transcription. Alternative splicing occurs between a splice site from exon 5 of the adjacent upstream gene 'excision repair cross-complementation group 6' (ERCC6, GeneID: 2074) and the 3' splice site upstream of the open reading frame (ORF) of this gene, which activates the alternative polyadenylation site downstream of the piggyback-derived-3 ORF. The resulting transcripts encode a fusion protein that shares sequence with the product of each individual gene. Pseudogenes for this gene are defined on chromosomes 4, 5 and 12. [provided by RefSeq, Mar 2016]

### Product images:



Coomassie blue staining of purified PGBD3 protein (Cat# [TP308977]). The protein was produced from HEK293T cells transfected with PGBD3 cDNA clone (Cat# [RC208977]) using MegaTran 2.0 (Cat# [TT210002]).