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Product datasheet for TP308977

PGBD3 (NM_170753) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human piggyBac transposable element derived 3 (PGBD3), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC208977 protein sequence Red=Cloning site Green=Tags(s) MPRTLSLHEITDLLETDDSIEASAIVIQPPENATAPVSDEESGDEEGGTINNLPGSLLHTAAYLIQDGSD AESDSDDPSYAPKDDSPDEVPSTFTVQQPPPSRRRKMTKILCKWKKADLTVQPVAGRVTAPPNDFFTVMR TPTEILELFLDDEVIELIVKYSNLYACSKGVHLGLTSSEFKCFLGIIFLSGYVSVPRRRMFWEQRTDVHN VLVSAAMRRDRFETIFSNLHVADNANLDPVDKFSKLRPLISKLNERCMKFVPNETYFSFDEFMVPYFGRH GCKQFIRGKPIRFGYKFWCGATCLGYICWFQPYQGKNPNTKHEEYGVGASLVLQFSEALTEAHPGQYHFV FNNFFTSIALLDKLSSMGHQATGTVRKDHIDKVPLESDVALKKKERGTFDYRIDGKGNIVCRWNDNSVVT VASSGAGIHPLCLVSRYSQKLKKKIQVQQPNMIKVYNQFMGGVDRADENIDKYRASIRGKKWYSSPLLFC FELVLQNAWQLHKTYDEKPVDFLEFRRRVVCHYLETHGHPPEPGQKGRPQKRNIDSRYDGINHVIVKQGK QTRCAECHKNTTFRCEKCDVALHVKCSVEYHTE TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	67.4 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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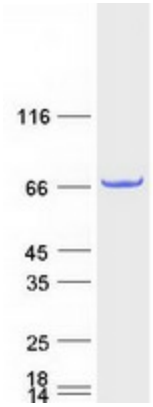
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_736609
Locus ID:	267004
UniProt ID:	Q8N328
RefSeq Size:	2266
Cytogenetics:	10q11.23
RefSeq ORF:	1779
Summary:	This gene is a member of a 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]).