Recombinant Human PGBD3 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PGBD3-1367H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PGBD3 MS Standard C13 and N15-labeled recombinant protein (NP_736609) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	67.6 kDa
AA Sequence	MPRTLSLHEITDLLETDDSIEASAIVIQPPENATAPVSDEESGDEEGGTINNLPGSLLH TAAYLIQDGSDAESDSDDPSYAPKDDSPDEVPSTFTVQQPPPSRRRKMTKILCKWK KADLTVQPVAGRVTAPPNDFFTVMRTPTEILELFLDDEVIELIVKYSNLYACSKGVHL

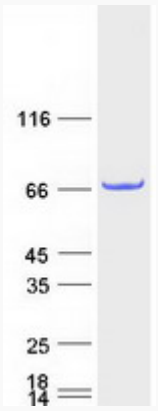
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	GLTSSEFKCFLGIIFLSGYVSVPRRRMFWEQRTDVHNVLVSAAMRRDRFETIFSNLH VADNANLDPVDKFSKLRPLISKLNERCMKFVPNETYFSFDEFMVPYFGRHGCKQFIR GKPIRFGYKFWCGATCLGYICWFQPYQGKNPNTKHEEYGVGASLVLQFSEALTEAH PGQYHFVFNNFFTSIALLDKLSSMGHQATGTVRKDHIDKVPLESDVALKKKERGTFD YRIDGKGNIVCRWNDNSVVTVASSGAGIHPLCLVSRYSQKLKKKIQVQQPNMIKVYN QFMGGVDRADENIDKYRASIRGKKWYSSPLLFCFELVLQNAWQLHKTYDEKPVDFL EFRRRVVCHYLETHGHPPEPGQKGRPQKRNIDSRYDGINHVIVKQGKQTRCAECHK NTTFRCEKCDVALHVKCSVEYHTETRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 μg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	PGBD3 piggyBac transposable element derived 3 [Homo sapiens (human)]
Official Symbol	PGBD3
Synonyms	PGBD3; piggyBac transposable element derived 3; piggyBac transposable element-derived protein 3; FLJ90201;
Gene ID	267004

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

mRNA Refseq	NM_170753
Protein Refseq	NP_736609
UniProt ID	Q8N328
SDS-PAGE	

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA