

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	MPRTL SL HEITDLLETDD S IEASAIVIQPPENATAPVSDEESGDEEGGTINNLP GS LLH TAAYLIQDGSDAESDSD D PSYAPKDDSPDEV P STFTVQQPPPSRRRKMTKILCKWK KADLTVQPVAGRVTAPPNDFFTVMRTPTEILELFLDDEVIELIVKYSNLYACSKGVHL

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GLTSSEFKCFLGIIFLSGYVSVPRRRMFWEQRTDVHNVLVSAAMRRDRFETIFSNLH
VADNANLDPVDKFSKLRPLISKLNRCMKFVPNETYFSFDEFMVPYFGRHGCKQFIR
GKPIRFGYKFWCGATCLGYICWFQPYQGKNPNTKHEEYGVGASLVLQFSEALTEAH
PGQYHFVFNFFTSIALLDKLSMGGHATGTVRKDHIDKVPLESDVALKKKERGTFD
YRIDGKGNIVCRWWDNSVVTVASSGAGIHPLCLVSRYSQKLKKKIQVQQPNMIKVYN
QFMGGVDRADENIDKYRASIRGKKWYSSPLLFCFELVLQNAWQLHKTYDEKPVDFL
EFRRRVVCHYLETHGHPPEPGQKGRPQKRNIDSRDGINHVIVKQGKQTRCAECHK
NTTFRCEKCDVALHVKCSVEYHTETRTTRPLEQKLISEEDLAANDILDYKDDDDKV

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

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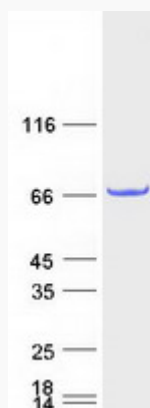
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mRNA Refseq NM_170753

Protein Refseq NP_736609

UniProt ID Q8N328

SDS-PAGE



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